

FT	Region	/note= "Antigenic region"
PT		171..178
XX		/note= "Antigenic region"
PX	US6365369-B1.	
PN		
PD	02-APR-2002.	
PP		
PF	30-MAR-1999;	99US-00280839.
PX		
PR	01-APR-1998;	98US-0080311P.
PR	07-ABR-1998;	98US-0080898P.
XX		
PA	(HUMA-) HUMAN GENOME SCI INC.	
XX		
XI	Endress GA,	Rosen CA;
PI		
DR	WPI; 2002-433426/46.	
DR	N-PSDB; ABK52026.	
XX		
XX		
PT	Novel isolated polynucleotide encoding prostate specific secreted protein, useful for treating or detecting lymphopenia, anemia, thrombocytopenia, neoplasms, septic shock, multiple sclerosis, Alzheimer's disease.	
PS	Claim 1; Fig 1; 53pp; English.	
XX		
CC	The present invention relates to a new polynucleotide encoding residues 2 or 1-178 of a 178 amino acid prostate specific secreted protein (PSSP)	
CC	polypeptide sequence. The invention is useful as a diagnostic or prognostic marker since increased or decreased expression of the gene in the affected individuals is indicative of specific disorders. PSSP is found expressed primarily in prostate, but also in salivary gland, stomach and trachea. PSSP polynucleotides are useful in treating deficiencies or disorders of the immune system, by activating or inhibiting the proliferation, differentiation, or mobilisation (chemotaxis) of immune cells. PSSP polynucleotides can be used as a marker or detector of a particular immune system disease or disorder.	
CC	PSSP polynucleotides or polypeptides may be useful in modulating haemostatic or thrombolytic activity and treating or detecting deficiencies or disorders of haematopoietic cells, blood coagulation disorders, thrombocytopenia, wound healing, inflammation, infection, head trauma, heart attacks (infarction), hyperproliferative disorder, strokes, bacterial or fungal agents, parasitic agents, scarring, tissue regeneration, spinal cord disorder, autoimmune disorder, Alzheimer's disease, anaphylaxis, Parkinson's disease, hypersensitivity to an antigenic molecule, blood group incompatibility, organ rejection and graft-versus-host disease (GVHD). PSSP polynucleotides or polypeptides may have chemotaxis activity. PSSP polynucleotides or polynucleotides may also increase or decrease the differentiation or proliferation of embryonic stem cells. The present amino acid sequence represents the human prostate specific secreted protein (PSSP) of the invention	
XX		
SO	Sequence 178 AA:	
Query Match	100.0%; Score 936; DB 5; Length 178;	
Best Local Similarity	100.0%; Pred. No. 4e-92;	
Matches 178; Conservative	0; Mismatches 0; Indels 0; Gaps 0	
Qy	1 MHREPMALLTLTALGGPTWAGKKYRGGCKRYESTTEYDHEITGLRSVGLLVKSVO 60	
Dd	1 MHRPEAMLLLTLLALGGPTWAGKKYRGGCKRYFSTTEYDHEITGLRSVGLLVKSVO 60	
Qy	VKLGDSPDVKLGALGNTOEVLQGEYITTKVFVAFOAFLRWNNMTSKDRFFYGKLDG 120	
Dd	61 VKLGDSPDVKLGALGNTOEVLQGEYITTKVFVAFOAFLRWNNMTSKDRFFYGKLDG 120	
Qy	121 QISSAYPSOEGQVILVGIVGYOLLGIKSIQGFEMNYPLEBPTTEPPVNLTYSANSPVGR 178	
Dd	121 QISSAYPSOEGQVILVGIVGYOLLGIKSIQGFEMNYPLEBPTTEPPVNLTYSANSPVGR 178	

ID	ADCC3408	ADCC3408 standard; protein, 178 AA.
AC	ADCC3408;	
AD	ADCC3408;	
DT	18-DEC-2003	(first entry)
DE	Human prostate specific secreted protein (PSSP).	
XX	human; prostate specific secreted protein; PSSP; androgen regulation;	
XX	prostate cancer; gene therapy; Digeorge's syndrome; autoimmune disease;	
XX	rheumatoid arthritis; nephritis; septic shock;	
XX	hyperproliferative disorder; Alzheimer's; Parkinson's; immunosuppressive;	
XX	antirheumatic; nootropic; neuroprotective; cytoslastic.	
OS	Homo sapiens.	
PN	<u>US2003050443-A1.</u>	
PD	13-MAR-2003.	
XX		
PF	25-JAN-2002; 2002US-00054976.	
PR	01-APR-1998; 98US-0080311P.	
PR	07-APR-1998; 98US-0080898P.	
PR	30-MAR-1999; 99US-00280839.	
PA	(HUMA-) HUMAN GENOME SCI INC.	
PI	Endress GA, Rosen CA;	
DR	WPI; 2003-615803/58.	
XX		
PT	Novel isolated human prostate specific secreted protein and	
PT	polynucleotide encoding the protein, useful for preventing, treating or	
PT	ameliorating a medical condition, and for diagnosing a pathological	
PT	condition.	
XX		
PS	Claim 11; Fig 1; 58pp; English.	
CC	This invention relates to a novel isolated human prostate specific	
CC	secreted protein (PSSP). Specifically it refers to vectors, host cells,	
CC	antibodies, screening methods and recombinant methods for producing the	
CC	polynucleotides and encoded proteins thereof. PSSP is a gene involved in	
CC	androgen regulation, and therefore is thought to have a role in both	
CC	normal prostate development and prostate cancer, which is associated with	
CC	loss of androgen responsiveness. Accordingly, the present invention	
CC	provides diagnostic methods for detecting such disorders, as well as	
CC	using gene therapy to treat immune system disorders including Digeorge's	
CC	syndrome, autoimmune diseases such as rheumatoid arthritis, inflammatory	
CC	conditions such as nephritis and septic shock, hyperproliferative	
CC	disorders for example cancer, as well as Alzheimer's and Parkinson's. As	
CC	such, PSSP can be described variously as immunosuppressive,	
CC	antirheumatic, nootropic, neuroprotective and cytostatic. This	
CC	polypeptide sequence is the human PSSP of the invention.	
SQ	Sequence 178 AA;	
Query Match	100.0%; Score 936; DB 7; Length 178;	
Best Local Similarity	100.0%; Pred. No. 4e-92;	
Matches 178; Conservative	0; Mismatches 0; Indels 0; Gaps 0	
QY	1 MHRREAMLLLTLLALGGPTWAGKMYGGGKYSTETEDYHETGLRVSGLLVKSVQ 60	
DB	1 MHRREAMLLLTLLALGGPTWAGKMYGGGKYSTETEDYHETGLRVSGLLVKSVQ 60	
QY	61 VKLGDSDVVKLGALGNTQEVTLDPGEYITRVFAFQFLRGVWYTSKDRYFYFKLDG 120	
DB	61 VKLGDSDVVKLGALGNTQEVTLDPGEYITRVFAFQFLRGVWYTSKDRYFYFKLDG 120	
QY	121 QISSAPYQEQGVVVGIIYGVQYQLLGKISIGFEMVPLPEPTTPEPVNLTYSANSPVGR 178	
DB	121 QISSAPYQEQGVVVGIIYGVQYQLLGKISIGFEMVPLPEPTTPEPVNLTYSANSPVGR 178	

CC		The present sequence represents secreted salivary polypeptide designated zsa932. The protein is involved in salivary gland and mucous associated
PS	Claim 1, Page 91-92; 118pp; English.	
XX		
PT	New isolated mucous-associated polypeptide, zsa932 - used to develop products for treating e.g. digestive or lung dysfunction, microbial infections, cystic fibrosis, inflammation or tumour metastasis.	
FT		
XX		
PA	(ZYMO) ZYMOGENETICS INC.	
XX		
XX	Shepard PO;	
P1		
XX	WPI : 1998-531567/45.	
DR	N-PSDB; AAVS9397.	
XX		
PF	18-MAR-1998; 98WO-US005255.	
XX		
PR	19-MAR-1997; 97US-0041263P.	
XX		
FN	Modified-site	/note= "potential N-glycosylation site"
FT	Modified-site	167
FT	Modified-site	155
FT	Modified-site	120
FT	Modified-site	/note= "potential N-myristoylation site"
FT	Modified-site	107
FT	Modified-site	/note= "potential casein kinase II phosphorylation site"
FT	Modified-site	72
FT	Region	63..65
FT	Modified-site	/note= "potential N-myristoylation site"
FT	Modified-site	46
FT	Modified-site	/note= "potential tyrosine sulfation site"
FT	Modified-site	40
FT	Modified-site	/note= "potential casein kinase II phosphorylation site"
FT	Modified-site	36
FT	Modified-site	/note= "mature protein"
FT	Protein	23..281
FT	Peptide	1..22
FT	Key	Location/Qualifiers
OS	Homo sapiens.	
XX		
KM	Secreted salivary polypeptide, zsa932; salivary gland; human; mucous associated; digestive dysfunction; wound healing dysfunction; salivary gland carcinoma; sarcoidosis; pneumocystic carinii; emphysema; chronic bronchitis; cystic fibrosis; tumour; xeroderma; adult respiratory distress syndrome; ARDS; dental caries; osteomyelitis; sudden infant death syndrome; AIDS; oral candidiasis; prostate carcinoma migraine; buccal mucosa infection; Sjogren's syndrome; mumps.	
DE	Secreted salivary polypeptide zsa932.	
XX		
D7	21-JAN-1999 (first entry)	
XX		
AC	AAM77404;	
ID	AAM77404 standard; protein; 178 AA.	
RESULT 3		

[illegible]


```

XX AC AAB66200;
XX DT 02-APR-2001 (first entry)
XX DE Protein of the invention #112.
XX KM Secreted; transmembrane; gene therapy.
XX OS Unidentified.
XX PN WO200078961-A1.
XX PD 28-DEC-2000.
XX PF 18-FEB-2000; 2000MO-US004342.
XX PR 23-JUN-1999; 99US-0141037P.
XX PR 20-JUL-1999; 99US-0144758P.
XX PR 26-JUL-1999; 99US-0145698P.
XX PR 01-SEP-1999; 99MO-US020111.
XX PR 29-OCT-1999; 99US-0162506P.
XX PR 30-NOV-1999; 99MO-US028313.
XX PR 02-DEC-1999; 99MO-US028551.
XX PR 16-DEC-1999; 99MO-US030095.
XX PR 05-JAN-2000; 2000MO-US000219.
XX PR 06-JAN-2000; 2000MO-US000376.
XX PA (GETH ) GENENTECH INC.
XX PI Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
XX PI Geo W, Goddard A, Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ;
XX PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
XX PI Williams PM, Wood WI;
XX DR WPI; 2001-071395/08.
XX XX
XX PT Secreted and transmembrane proteins and nucleic acids designated PRO,
XX PT useful as hybridization probes, in chromosome and gene mapping and gene
XX PT therapy.
XX PS Claim 1; Fig 224; 787pp; English.
XX CC The present invention relates to secreted and transmembrane proteins.
XX CC These proteins and the DNA encoding them may be used as hybridization
XX CC probes, in chromosome and gene mapping and in the generation of anti-
XX CC sense RNA and DNA. They may also be used used to generate either
XX CC transgenic animals or knockout animals which are in turn useful for
XX CC development and screening of therapeutically useful reagents. The nucleic
XX CC acids may also be used in gene therapy
XX SQ Sequence 178 AA;
XX
XX Query Match 99.7%; Score 933; DB 4; Length 178;
XX Best Local Similarity 99.4%; Pred. No. 8.4e-92; Indels 0; Gaps 0;
XX Matches 177; Conservative 1; Mismatches 0;
XX
XX QY 1 MHRPEAMLLLTLLTALIGGPTWAGRMYPGGGKFFSTEDYDHEITGLRVSGLLVSVQ 60
XX DB 1 MHRPEAMLLLTLLTALIGGPTWAGRMYPGGGKFFSTEDYDHEITGLRVSGLLVSVQ 60
XX QY 61 VKIGDSMDVVLGALGNTQEVTLQPGFYITKVFVAFAPLRGVMWYTSKDRYFFGDLDG 120
XX DB 61 VKIGDSMDVVLGALGNTQEVTLQPGFYITKVFVAFAPLRGVMWYTSKDRYFFGDLDG 120
XX QY 121 QISSAAYPSOGGOVLYNGIYGQYOLLGKISIGFEMNYPLEETPTTBPVVLTYSANSVGR 178
XX DB 121 QISSAAYPSOGGOVLYNGIYGQYOLLGKISIGFEMNYPLEETPTTBPVVLTYSANSVGR 178
XX
XX RESULT 6
XX AAU29255
XX ID AAU29255 standard; protein: 178 AA.

```

```

XX AC AAU29255;
XX DT 18-DEC-2001 (first entry)
XX DE Human PRO polypeptide sequence #232.
XX KM PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
XX KM dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
XX KM blood; chondrocyte cell; cell proliferation; colon;
XX KM adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.
XX OS Homo sapiens.
XX PN WO200168848-A2.
XX PD 20-SEP-2001.
XX PF 28-FEB-2001; 2001MO-US006520.
XX PR 01-MAR-2000; 2000MO-US005601.
XX PR 02-MAR-2000; 2000MO-US005841.
XX PR 03-MAR-2000; 2000US-0187202P.
XX PR 06-MAR-2000; 2000US-0186968P.
XX PR 14-MAR-2000; 2000US-0189320P.
XX PR 14-MAR-2000; 2000US-0189328P.
XX PR 15-MAR-2000; 2000MO-US006884.
XX PR 21-MAR-2000; 2000US-0190828P.
XX PR 21-MAR-2000; 2000US-0191007P.
XX PR 21-MAR-2000; 2000US-0191048P.
XX PR 21-MAR-2000; 2000US-0191314P.
XX PR 28-MAR-2000; 2000US-0192655P.
XX PR 29-MAR-2000; 2000US-0193032P.
XX PR 29-MAR-2000; 2000US-0193053P.
XX PR 30-MAR-2000; 2000MO-US008439.
XX PR 04-APR-2000; 2000US-0194449P.
XX PR 04-APR-2000; 2000US-0194647P.
XX PR 11-APR-2000; 2000US-0195975P.
XX PR 11-APR-2000; 2000US-0196000P.
XX PR 11-APR-2000; 2000US-0196187P.
XX PR 11-APR-2000; 2000US-0196590P.
XX PR 11-APR-2000; 2000US-0196820P.
XX PR 18-APR-2000; 2000US-0198121P.
XX PR 18-APR-2000; 2000US-0198585P.
XX PR 25-APR-2000; 2000US-0199397P.
XX PR 25-APR-2000; 2000US-0199550P.
XX PR 25-APR-2000; 2000US-0199654P.
XX PR 03-MAY-2000; 2000US-0201516P.
XX PR 17-MAY-2000; 2000MO-US013705.
XX PR 22-MAY-2000; 2000MO-US014042.
XX PR 30-MAY-2000; 2000MO-US014941.
XX PR 02-JUN-2000; 2000MO-US015264.
XX PR 05-JUN-2000; 2000US-0209832P.
XX PR 28-JUL-2000; 2000MO-US020710.
XX PR 22-AUG-2000; 2000US-00644848.
XX PR 24-AUG-2000; 2000MO-US023328.
XX PR 08-NOV-2000; 2000MO-US030952.
XX PR 01-DEC-2000; 2000MO-US032678.
XX PR 20-DEC-2000; 2000MO-US034956.
XX
XX (GETH ) GENENTECH INC.
XX PI Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
XX PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2001-602746/68.
XX DR N-PSDB; AAS46156.
XX
XX Novel nucleic acids encoding PRO polypeptides, used to diagnose the
XX PT presence of tumors, such as prostate and breast tumors, in mammals and to
XX PT screen for modulators of the compounds.
XX PS Claim 11; Fig 464; 774pp; English.

```

XX Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.
CC The PRO polypeptides and their associated nucleic acids can be used to
CC detect the presence of a tumour in a mammal by comparing the level of
CC expression of a PRO polypeptide in a test sample of cells from the animal
CC and a control sample of normal cells, whereby a higher level of
CC expression in the test sample indicates the presence of a tumour in the
CC mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats
CC and rabbits but are preferably human. The polypeptides can be used to
CC stimulate tumour necrosis factor (TNF) alpha release from human blood,
CC when contacted with it. A specific polypeptide can be used to stimulate
CC the proliferation or differentiation of chondrocyte cells. The PRO
CC proteins can be used to determine the presence of tumours and also
CC susceptibility to tumour development, particularly adrenal, lung, colon,
CC breast, prostate, rectal, cervical, or liver tumours, in mammalian
CC subjects. The oligonucleotide probes specific for the PRO nucleic acids
CC can be used for genetic analysis of individuals with genetic disorders
XX
SQ Sequence 178 AA;

Query Match 99.7%; Score 933; DB 4; Length 178;
Best Local Similarity 99.4%; Pred. No. 8.4e-92;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 MHRPEAMLLLTALIGPPTWAGKMGPGGKXFTTEDYDHEITGLRVSGLLVKSQ 60
DB 1 MHRPEAMLLLTALIGPPTWAGKMGPGGKXFTTEDYDHEITGLRVSGLLVKSQ 60
OY 61 VKLGDSWDVYKLGALGNTQEVTLQPGEYITKVFVAFQAFILRGVVMYTSKDRYFFGKLDG 120
DB 61 VKLGDSWDVYKLGALGNTQEVTLQPGEYITKVFVAFQAFILRGVVMYTSKDRYFFGKLDG 120
OY 121 QISSAYPSQSGOVYVIGYGOYLGIKISIGFEMNYPLEBPTTBPVNLTYGANSPPVR 178
DB 121 QISSAYPSQSGOVYVIGYGOYLGIKISIGFEMNYPLEBPTTBPVNLTYGANSPPVR 178

RESULT 7
AAM38799
ID AAM38799 standard; protein; 178 AA.

XX AC AAM38799;

XX DT 22-OCT-2001 (first entry)

XX DE Human polypeptide SEQ ID NO 1944.

XX Human; nootropic; immunosuppressant; cytostatic; gene therapy; cancer;
KW peripheral nervous system; neuropathy; central nervous system; CNS;
KW Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic;
KW amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic;
KW chemokinetic; thrombolytic; drug screening; arthritis; inflammation;
KW leukaemia.

XX OS Homo sapiens.

XX PN WO200153312-A1.

XX PD 26-JUL-2001.

XX PF 26-DEC-2000; 2000WO-US034263.

XX 23-DEC-1999; 99US-00471275.

XX 21-JAN-2000; 2000US-00488725.

XX 25-APR-2000; 2000US-00553117.

XX 20-JUN-2000; 2000US-00598042.

XX 19-JUL-2000; 2000US-00620312.

XX 03-AUG-2000; 2000US-00653450.

XX 14-SEP-2000; 2000US-00662191.

XX 19-OCT-2000; 2000US-00693036.

XX 29-NOV-2000; 2000US-00727344.

XX PA (HYSE-) HYSEQ INC.

XX Tang YT, Liu C, Aouni V, Chen R, Ma Y, Qian XB, Ren F, Wang D;
PI Wang J, Wang Z, Wehrman T, Xu C, Xue AJ, Yang Y, Zhang J, Zhao QA;
PI Zhou F, Goodrich R, Dimaac RT;
XX WPI; 2001-442253/47.
DR N-PSDB; AA157955.

PT Novel nucleic acids and polypeptides, useful for treating disorders such
XX as central nervous system injuries.

PS Example 3; SEQ ID NO 1944; 10078bp; English.

CC The invention relates to human nucleic acids (AA15798-AA161369) and the
CC encoded polypeptides (AAM38642-AA42213) with nootropic,
CC immunosuppressant and cytostatic activity. The polynucleotides are useful
CC in gene therapy. A composition containing a polypeptide or polynucleotide
CC of the invention may be used to treat diseases of the peripheral nervous
CC system, such as peripheral nervous injuries, peripheral neuropathy and
CC localized neuropathies and central nervous system diseases, such as
CC Alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic
CC lateral sclerosis, and Shy-Drager Syndrome. Other uses include the
CC utilisation of the activities such as: Immune system suppression,
CC Activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic
CC and thrombolytic activity, cancer diagnosis and therapy, drug screening,
CC assays for receptor activity, arthritis and inflammation, leukaemias and
CC C.N.S disorders. Note: The sequence data for this patent did not form
XX part of the printed specification

SQ Sequence 178 AA;

Query Match 99.7%; Score 933; DB 4; Length 178;
Best Local Similarity 99.4%; Pred. No. 8.4e-92;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 MHRPEAMLLLTALIGPPTWAGKMGPGGKXFTTEDYDHEITGLRVSGLLVKSQ 60
DB 1 MHRPEAMLLLTALIGPPTWAGKMGPGGKXFTTEDYDHEITGLRVSGLLVKSQ 60

OY 61 VKLGDSWDVYKLGALGNTQEVTLQPGEYITKVFVAFQAFILRGVVMYTSKDRYFFGKLDG 120
DB 61 VKLGDSWDVYKLGALGNTQEVTLQPGEYITKVFVAFQAFILRGVVMYTSKDRYFFGKLDG 120

OY 121 QISSAYPSQSGOVYVIGYGOYLGIKISIGFEMNYPLEBPTTBPVNLTYGANSPPVR 178
DB 121 QISSAYPSQSGOVYVIGYGOYLGIKISIGFEMNYPLEBPTTBPVNLTYGANSPPVR 178

RESULT 8
AAU83695
ID AAU83695 standard; protein; 178 AA.

XX AC AAU83695;

XX DT 08-MAY-2002 (first entry)

XX DE Human PRO protein, Seq ID No 208.

XX Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
KW breast cancer; prostate tumour; rectal tumour; liver tumour;
KW pericyte cell proliferation; chondrocyte cell proliferation;
KW tumour necrosis factor-alpha.

XX OS Homo sapiens.

XX PN WO200208288-A2.

XX 31-JAN-2002.

XX 29-JUN-2001; 2001WO-US021066.

XX 20-JUL-2000; 2000US-0219556P.

XX 25-JUL-2000; 2000US-0220585P.

PR 25-JUL-2000; 2000US-0220605P.
 PR 25-JUL-2000; 2000US-0220607P.
 PR 25-JUL-2000; 2000US-0220624P.
 PR 25-JUL-2000; 2000US-0220638P.
 PR 25-JUL-2000; 2000US-0220664P.
 PR 25-JUL-2000; 2000US-0220666P.
 PR 26-JUL-2000; 2000US-0220893P.
 PR 28-JUL-2000; 2000MO-US020710.
 PR 01-AUG-2000; 2000US-0222425P.
 PR 22-AUG-2000; 2000US-0227133P.
 PR 23-AUG-2000; 2000MO-US023522.
 PR 24-AUG-2000; 2000MO-US023328.
 PR 10-NOV-2000; 2000MO-US030873.
 PR 28-NOV-2000; 2000US-0253666P.
 PR 01-DEC-2000; 2000MO-US032878.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000MO-US034956.
 PR 28-FEB-2001; 2001MO-US006520.
 PR 01-MAR-2001; 2001MO-US006666.
 PR 22-MAR-2001; 2001US-00816744.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 25-MAY-2001; 2001MO-US017092.
 XX
 XX (GETH) GENENTECH INC.
 PA Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ,
 PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
 XX
 DR WPI: 2002-172001/22.
 DR N-PSDB; ABRK3639.
 XX
 PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
 PT useful for treating a PRO related disorder and for diagnosing tumors such
 PT as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
 PT or liver tumor.
 XX
 PS Claim 11; Fig 208; 359pp; English.
 XX
 CC The invention relates to one hundred and twenty two nucleic acids
 CC encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
 CC encode human secreted proteins. The PRO nucleic acids, polypeptides,
 CC agonists and antagonists are useful for treating a PRO related disorder.
 CC The PRO polypeptides are useful for diagnosing tumors, especially lung
 CC cancer, colon cancer, breast tumor, prostate tumor, rectal tumor or
 CC liver tumor. The PRO polypeptides are useful for stimulating the
 CC proliferation of, or gene expression, in pericyte cells, for stimulating
 CC the proliferation or differentiation of chondrocyte cells, for
 CC stimulating the release of tumour necrosis factor-alpha from human blood,
 CC for stimulating or inhibiting the proliferation of normal human dermal
 CC fibroblast cells. The PRO polypeptide may also be used as molecular
 CC weight markers and for tissue typing. The PRO nucleic acids have
 CC applications in molecular biology, including use as hybridisation probes,
 CC and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO
 CC protein sequences of the invention.
 XX
 XX Sequence 178 AA:
 SQ
 Query Match 99.7%; Score 933; DB 5; Length 178;
 Best Local Similarity 99.4%; Prod. No. 8.4e-92;
 Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

RESULT 9
 ABB84945
 ID ABB84945 standard; protein; 178 AA.
 XX
 AC ABB84945;
 XX
 DT 16-MAY-2002 (first entry)
 XX
 DE Human PRO1567 protein sequence SEQ ID NO.258.
 XX
 KW Human; angiogenesis; cartiant; cyostatic; antiangiogenic; hypotensive;
 KW vunerary; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;
 KW gene therapy; cardiovascular disorder; endothelial disorder; cancer;
 KW angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;
 KW age-related macular degeneration; arterial restenosis; angina;
 KW rheumatoid arthritis; myocardial infarction; thrombophlebitis;
 KW lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma;
 KW wound healing; chromosome mapping; gene mapping.
 XX
 OS Homo sapiens.
 XX
 PN WO200200690-A2.
 XX
 OS 03-JAN-2002.
 XX
 PF 20-JUN-2001; 2001MO-US019692.
 XX
 PR 23-JUN-2000; 2000US-0213637P.
 PR 20-JUL-2000; 2000US-0219556P.
 PR 25-JUL-2000; 2000US-0220624P.
 PR 25-JUL-2000; 2000US-0220664P.
 PR 28-JUL-2000; 2000MO-US020710.
 PR 02-AUG-2000; 2000US-0222695P.
 PR 17-AUG-2000; 2000US-00643657.
 PR 23-AUG-2000; 2000MO-US023522.
 PR 24-AUG-2000; 2000MO-US023328.
 PR 07-SEP-2000; 2000US-0230978P.
 PR 18-SEP-2000; 2000US-00664610.
 PR 18-SEP-2000; 2000US-0066350.
 PR 24-OCT-2000; 2000US-0242922P.
 PR 08-NOV-2000; 2000US-00709238.
 PR 08-NOV-2000; 2000MO-US030952.
 PR 10-NOV-2000; 2000MO-US030873.
 PR 01-DEC-2000; 2000MO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000MO-US034956.
 PR 22-JAN-2001; 2001US-00767609.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001MO-US006520.
 PR 01-MAR-2001; 2001MO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00806889.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 30-MAY-2001; 2001MO-US017092.
 PR 30-MAY-2001; 2001US-00870574.
 PR 30-MAY-2001; 2001MO-US017443.
 PR 01-JUN-2001; 2001MO-US017800.
 XX
 PA (GETH) GENENTECH INC.
 XX Baker KP, Ferrara N, Gilder H, Gerritsen ME, Goddard A;
 PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF;
 PI Stephan JF, Watanabe CK, Williams PW, Wood WI, Ye W;
 XX
 DR WPI: 2002-090516/12.
 DR N-PSDB; ABL88200.

PD 21-MAR-2002.
 XX 17-JAN-2001; 2001MO-US001386.
 PF 12-SEP-2000; 2000US-0232104P.
 XX (HUMA-) HUMAN GENOME SCI INC.
 PA Rosen CA, Komatsoulis GA, Baker KP, Birse CE, Soppet DR,
 PI Olsen HS, Moore PA, Wei P, Ebner R, Duan DR, Shi Y, Choi GH,
 PI Fiscella M, Ni J;
 XX WPI; 2002-258041/30.
 DR N-PSDB; ABL55076.
 XX
 PT New nucleic acid molecules encoding 22 human secreted proteins for
 PT diagnosing or treating e.g. autoimmune diseases, hyperproliferative
 PT disorders, and cardiovascular disorders, and used as food additives or
 PT preservatives.
 XX
 PS Disclosure; Page 476-477; 526pp; English.
 XX
 CC The sequence represents a protein sequence of the invention, encoded by
 CC cDNA isolated from human clone ID HNKCO80. The invention relates to novel
 CC isolated nucleic acid molecules encoding 22 human secreted proteins. The
 CC proteins of the invention have immunosuppressive, antiarthritic,
 CC antineumatic, antiproliferative, cytostatic, cardiac, vasotropic,
 CC cerebroprotective, neuroprotective, antibacterial, virucide,
 CC fungicide, ophthalmological, and vulnerary activity. The polynucleotides
 CC may have a use in gene therapy. The polynucleotides and polypeptides
 CC encoded by them are used to prevent, treat or ameliorate a medical
 CC condition in e.g. humans, mice, rabbits, goats, horses, cats, dogs,
 CC chickens or sheep. The polynucleotides and polypeptides are also used in
 CC diagnosing a pathological condition or susceptibility to a pathological
 CC condition. The antibodies to the proteins can also be used in alleviating
 CC symptoms associated with the disorders and in diagnostic immunoassays
 CC e.g. radioimmunoassays or enzyme linked immunosorbent assays (ELISA).
 CC Disorders which are diagnosed or treated include autoimmune diseases,
 CC hyperproliferative disorders, cardiovascular disorders, cerebrovascular
 CC disorders, anglogenesis, nervous system disorders, infections caused by
 CC bacteria, viruses and fungi and ocular disorders. The polypeptides can
 CC also be used to aid wound healing and epithelial cell proliferation. The
 CC polypeptides can also be used as a food additive or preservative
 XX
 SQ Sequence 178 AA;
 Query Match 99.7%; Score 933; DB 5; Length 178;
 Best local Similarity 99.4%; Pred. No. 8,4e-92;
 Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MRRPEAMLLLTLLTALLGGPTWAGRMVGGGKYSTIEDYDHEITGLRVSVGLLVKSVQ 60
 DB 1 MRRPEAMLLLTLLTALLGGPTWAGRMVGGGKYSTIEDYDHEITGLRVSVGLLVKSVQ 60
 QY 61 VKIGDSVDVVLGALGNTQVETLQPGXYITKVFAPAFAPRGVMTSKRYRFGGLDG 120
 DB 61 VKIGDSVDVVLGALGNTQVETLQPGXYITKVFAPAFAPRGVMTSKRYRFGGLDG 120
 QY 121 QISSAVYSGQGVLVGIVGYOLLGKISGPEMNYPLEBPTTEPPVLTYSANSPVGR 178
 DB 121 QISSAVYSGQGVLVGIVGYOLLGKISGPEMNYPLEBPTTEPPVLTYSANSPVGR 178
 RESULT 12
 ID ABB95551 standard; protein; 178 AA.
 XX ABB95551;
 AC ABB95551;
 XX 19-JUL-2002 (first entry)
 DT Human anglogenesis related protein PRO1567 SEQ ID NO: 258.
 XX

KM Human; anglogenesis; PRO protein; cardiovascularisation; wound; cancer;
 KW atherosclerosis; cardiac hypertrophy; gene therapy; endothelial disorder;
 KW cardiant; cytostatic; antiangiogenic; hypotensive; vulnerary;
 KM antiarteriosclerotic.
 XX
 OS Homo sapiens.
 XX
 PN WO200208284-A2.
 XX
 PD 31-JAN-2002.
 PF 09-JUL-2001; 2001MO-US021735.
 XX
 PR 20-JUL-2000; 2000US-0219556P.
 PR 25-JUL-2000; 2000US-0220624P.
 PR 25-JUL-2000; 2000US-0220664P.
 PR 28-JUL-2000; 2000MO-US020710.
 PR 02-AUG-2000; 2000US-0222695P.
 PR 17-AUG-2000; 2000US-00643657.
 PR 23-AUG-2000; 2000MO-US023522.
 PR 24-AUG-2000; 2000MO-US023328.
 PR 07-SEP-2000; 2000US-0230978P.
 PR 18-SEP-2000; 2000US-00664610.
 PR 18-SEP-2000; 2000US-00665350.
 PR 24-OCT-2000; 2000US-0242922P.
 PR 08-NOV-2000; 2000US-00709238.
 PR 08-NOV-2000; 2000MO-US030952.
 PR 10-NOV-2000; 2000MO-US030873.
 PR 01-DEC-2000; 2000MO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000MO-US034956.
 PR 22-JAN-2001; 2001US-00767609.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001MO-US006520.
 PR 01-MAR-2001; 2001MO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001MO-US017092.
 PR 30-MAY-2001; 2001US-00870574.
 PR 30-MAY-2001; 2001MO-US017443.
 PR 01-JUN-2001; 2001MO-US017800.
 PR 20-JUN-2001; 2001MO-US019692.
 XX
 XX (GETH) GENENTECH INC.
 PA (BAKE) BAKER K P.
 PA (FERR) FERRARA N.
 PA (GERB) GERBER H.
 PA (GERR) GERRITSEN M E.
 PA (GODD) GODDARD A.
 PA (GODO) GODOWSKI P J.
 PA (GURD) GURNEY A L.
 PA (HILL) HILLAN K J.
 PA (MARS) MARSTERS S A.
 PA (PANT) PAN J.
 PA (PAON) PAONI N F.
 PA (STEP) STEPHAN J F.
 PA (WATA) WATANABE C K.
 PA (WILL) WILLIAMS P M.
 PA (WOOD) WOOD W I.
 XX
 PI Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A, Paoni NF,
 PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Peoni NF,
 PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W,
 XX WPI; 2002-171999/22.
 DR N-PSDB; ABL55689.
 XX

PT One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal.
XX
PS Claim 11; Fig 258; 567pp; English.
XX
CC The present invention provides the protein and coding sequences of human
CC PRO proteins. These are useful for treating or diagnosing a
CC cardiovascular, endothelial or angiogenic disorder, including cardiac
CC hypertrophy, trauma, cancer, age-related macular degeneration,
CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
CC healing. The present sequence is a PRO protein of the invention
SQ Sequence 178 AA;

Query Match 99.7%; Score 933; DB 5; Length 178;
Best Local Similarity 99.4%; Pred. No. 8.4e-92;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRPEMLLTLLALGPTWAGKMGPGGKGFSTTEBYDHEITGLRVSGLLVKSVQ 60
Db 1 MRRPEMLLTLLALGPTWAGKMGPGGKGFSTTEBYDHEITGLRVSGLLVKSVQ 60
QY 61 VRLGDSWDVKLGALGNTQEVTLQPGRYITKVFAPQAFIRGVWMTSKDRFYFGKLDG 120
Db 61 VRLGDSWDVKLGALGNTQEVTLQPGRYITKVFAPQAFIRGVWMTSKDRFYFGKLDG 120
QY 121 QISSAVPSQEGVLTGIVGQYOLGIKISIGFEMWYPLEBPTTEPPVNLTYSANSPVGR 178
Db 121 QISSAVPSQEGVLTGIVGQYOLGIKISIGFEMWYPLEBPTTEPPVNLTYSANSPVGR 178

RESULT 13
ABUS8631
ID ABUS8631 standard; protein; 178 AA.
XX
AC ABUS8631;
XX
DT 15-APR-2003 (first entry)
XX
DE Human PRO polypeptide #232.
XX
KW Human; PRO; cytosolic; tumour; cancer; breast; lung; stomach; liver;
KW dog; cat; cow; horse; sheep; pig; goat; rabbit; ADERT;
KW antibody-dependent enzyme mediated prodrging therapy.
OS Homo sapiens.
XX
PN US2003027272-A1.
XX
PD 06-FEB-2003.
XX
PF 21-JUN-2002; 2002US-00176492.
XX
PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063544P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.

PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078868P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083322P.
PR 28-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084630P.
PR 07-MAY-1998; 98US-0084640P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086466P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 11-JUN-1998; 98US-0088909P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089908P.

PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090662P.
PR 26-JUN-1998; 98US-0090663P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091632P.
PR 24-JUL-1998; 98US-0094006P.
PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095988P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 26-AUG-1998; 98US-0097022P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0098014P.
PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 09-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099812P.
PR 15-SEP-1998; 98US-0100388P.
PR 16-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98US-01019330.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
PR 17-SEP-1998; 98US-0100949P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.

PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101922P.
PR 25-SEP-1998; 98US-0101786P.
PR 29-SEP-1998; 98US-0102207P.
PR 29-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
PR 02-OCT-1998; 98US-0102965P.
PR 06-OCT-1998; 98US-0103258P.
PR 06-OCT-1998; 98US-0103449P.
PR 07-OCT-1998; 98US-00168978.

Query Match 99.7%; Score 933; DB 6; Length 178;
Best Local Similarity 99.4%; Pred. No. 8.4e-92; Mismatches 0; Gaps 0;
Matches 177; Conservative 1; Indels 0;

QY 1 MRRPEAMLLLTALIGPTWAGKMGPGGKFFSTEDYDHEITGLRVSGLLVKSVQ 60
DB 1 MRRPEAMLLLTALIGPTWAGKMGPGGKFFSTEDYDHEITGLRVSGLLVKSVQ 60
QY 61 VKLGDSMDVKLGALGNTQETVLQPEBYITKVFVAFOAFIRGVVMTSKDRIYFPGKLDG 120
DB 61 VKLGDSMDVKLGALGNTQETVLQPEBYITKVFVAFOAFIRGVVMTSKDRIYFPGKLDG 120
QY 121 QISSAYPSQEQVLNGLYGOYLLGKSGFEENYPLEEPTTSPVNLITYSANSVGR 178
DB 121 QISSAYPSQEQVLNGLYGOYLLGKSGFEENYPLEEPTTSPVNLITYSANSVGR 178

RESULT 14

ID ABU88179 standard; protein; 178 AA.

AC ABU88179;

DT 07-JUL-2003 (first entry)

DE Novel human secreted and transmembrane protein PRO1567.

XX Human; secreted and transmembrane protein; PRO; gene therapy;

KW Human necrosis factor-alpha release; TNF-alpha release;

KW Chondrocyte proliferation; chondrocyte differentiation; tumour;

KW adrenal tumour; lung tumour; colon tumour; breast tumour;

KW prostate tumour; rectal tumour; cervical tumour; liver tumour.

OS Homo sapiens.

PN US2003032127-A1.

PD 13-FEB-2003.

PF 26-JUN-2002; 2002US-00183012.

PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.

PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 15-MAY-1998; 98US-0085473P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.

PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090679P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 26-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 02-JUL-1998; 98US-0091444P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 24-JUL-1998; 98US-0094006P.
PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095898P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0097022P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0098014P.
PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098723P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 02-SEP-1998; 98US-0098845P.
PR 09-SEP-1998; 98US-0099602P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099812P.
PR 15-SEP-1998; 98US-0100388P.
PR 16-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100664P.
PR 16-SEP-1998; 98US-0101751P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.

PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101922P.
PR 25-SEP-1998; 98US-0101786P.
PR 25-SEP-1998; 98US-0102207P.
PR 25-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
PR 02-OCT-1998; 98US-0102965P.
PR 06-OCT-1998; 98US-0103258P.

Query Match 99.7%; Score 933; DB 6; Length 178;
Best Local Similarity 99.4%; Pred. No. 8.4e-92;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MHRPEALLLTTLALGGPTMAGKMGPGGKXSTEDYDHEITGLRVSGILLVKSQ 60
DB 1 MHRPEALLLTTLALGGPTMAGKMGPGGKXSTEDYDHEITGLRVSGILLVKSQ 60
QY 61 VKLGDSMDVKLAGLGNTOEVLTOPGEYITKVFVAFOFLRGVMTSKDXYFFGKLDS 120
DB 61 VKLGDSMDVKLAGLGNTOEVLTOPGEYITKVFVAFOFLRGVMTSKDXYFFGKLDS 120
QY 121 QISSAVSQEQGVIVGIVGYQLIGKISIGFEMNYPLEETPEPPVNLITTSANSPVR 178
DB 121 QISSAVSQEQGVIVGIVGYQLIGKISIGFEMNYPLEETPEPPVNLITTSANSPVR 178

RESULT 15
ABU84494
ID ABU84494 standard; protein; 178 AA.

AC ABU84494;

DT 02-AUG-2003 (first entry)

DE Human secreted/transmembrane protein (PRO) #232.

XX Human; secreted and transmembrane protein; PRO; TNF-alpha;

KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;

XX tissue typing.

OS Homo sapiens.

PN US2003032112-A1.

PD 13-FEB-2003.

XX 21-JUN-2002; 2002US-00176756.

PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063546P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.

PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069335P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
PR 20-MAR-1998; 98US-0078886P.
PR 20-MAR-1998; 98US-0078939P.
PR 27-MAR-1998; 98US-0079664P.
PR 27-MAR-1998; 98US-0079786P.
PR 31-MAR-1998; 98US-0080107P.
PR 31-MAR-1998; 98US-0080194P.
PR 01-APR-1998; 98US-0080327P.
PR 01-APR-1998; 98US-0080333P.
PR 08-APR-1998; 98US-0081049P.
PR 08-APR-1998; 98US-0081070P.
PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 22-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 28-APR-1998; 98US-0082797P.
PR 29-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 05-MAY-1998; 98US-0083559P.
PR 05-MAY-1998; 98US-0084366P.
PR 06-MAY-1998; 98US-0084414P.
PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
PR 22-MAY-1998; 98US-0086486P.
PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088722P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May '9, 2005, 21:15:19 ; Search time 16 Seconds

(without alignments)
1070.411 Million cell updates/sec

Title: US-10-054-976-2

Sequence: 1 MHRPEAMLLLTALLGGPT.....EPTTEPPVNLTYNSANSPVGR 178

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : PIR 79:*

1: p1r1:.*
2: p1r2:.*
3: p1r3:.*
4: p1r4:.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	183.5	19.6	159	2	A49685 common salivary pr
2	160	17.1	148	2	ZG-16p protein - r
3	160	17.1	199	2	S01266 spermine-binding p
4	122.5	13.1	170	2	I52115 common salivary pr
5	102.5	11.0	1581	2	B71636 hypothetical prote
6	95.5	10.2	350	2	C70072 serine/threonine p
7	93.5	10.0	1583	2	P97846 hypothetical prote
8	91.5	9.8	612	2	T50226 hypothetical prote
9	88.5	9.5	680	2	T08080 probable myosinas
10	87.5	9.3	1210	2	T07658 aldehyde oxidase (
11	86	9.2	334	2	A29561 prostatic spermine
12	84.5	9.0	295	2	A12981 ABC transporter, m
13	84.5	9.0	295	2	G98301 hypothetical ABC t
14	83.5	8.9	853	2	T13530 hypothetical prote
15	82	8.8	176	2	H96755 similar to jacalin
16	82	8.8	2894	2	C64474 hypothetical prote
17	81.5	8.7	303	2	B56560 hypothetical prote
18	80	8.5	139	2	S19115 G0S9 protein - ric
19	80	8.5	303	2	F64701 hypothetical prote
20	80	8.5	1946	2	JC6032 lactococcal (EC 3.4
21	79	8.4	404	2	AC1097 xylose repressor h
22	79	8.4	1289	1	BMKR83 mRNA guanylyltrans
23	78	8.3	481	2	D87489 NADH dehydrogenase
24	77.5	8.3	257	2	E71877 probable amino aci
25	77.5	8.3	293	2	D96560 hypothetical prote
26	77.5	8.3	656	2	B82056 glutathione-regula
27	77.5	8.3	878	1	RRXSIB RNA-directed RNA p
28	77	8.2	211	1	B65110 hypothetical 24.0
29	77	8.2	275	2	C89858 conserved hypothet

30	77	8.2	303	2	A71819 hypothetical prote
31	77	8.2	363	2	S51104 outer membrane por
32	77	8.2	412	2	D64736 yacC protein - Bsc
33	77	8.2	443	2	D71058 hypothetical prote
34	77	8.2	1098	1	YGBSG1 phenylalanine race
35	76.5	8.2	445	2	H96560 hypothetical prote
36	76.5	8.2	554	2	S03809 cytochrome-c oxida
37	76	8.1	211	2	B85983 hypothetical prote
38	76	8.1	211	2	G91137 hypothetical prote
39	76	8.1	571	2	B86330 cytochrome C-type
40	76	8.1	662	2	H97834 F6F9.23 protein -
41	76	8.1	866	1	C64834 probable outer mem
42	75.5	8.1	440	2	T38215 probable secretory
43	75.5	8.1	525	1	RRXSIS RNA-directed RNA p
44	75	8.0	404	2	AB1460 xylose repressor h
45	75	8.0	730	2	F96559 hypothetical prote

ALIGNMENTS

RESULT 1
A49685 common salivary protein 1 precursor - rat
C:Species: Rattus norvegicus (Norway rat)
C:Date: 26-May-1995 #sequence_revision 26-May-1995 #text_change 09-Jul-2004
C:Accession: A49685
R:Girard, L.R.; Caetle, A.M.; Hand, A.R.; Caetle, J.D.; Mirels, L.
J. Biol. Chem. 268, 26592-26601, 1993
A:Title: Characterization of common salivary protein 1, a product of rat submandibular, A:Reference number: A49685; MUID:94075351; PMID:8253789
A:Accession: A49685
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-159 <GIR>
A:Cross-references: UNIPROT:Q63015; GB:U00964; NID:g392936; PIDN:AAA16140.1; PID:g392937
C:Superfamily: common salivary protein 1
C:Keywords: extracellular protein; glycoprotein; saliva
F:1-17/Domain: signal sequence #status predicted <SIG>

Query Match 19.6%; Score 183.5; DB 2; Length 159;
Best local similarity 30.0%; Pred. No. 4.2e-10;
Matches 45; Conservative 29; Mismatches 73; Indels 3; Gaps 2;

Qy	7	MLLLITLALGGPT-NAGKMYGPGGKYFSTEDYHEITGLRVSVGLLVKSVOYKLG	64
Db	1	MLPILILAFGTPAVLQSRVHGSETGKHFCIVABEGSPVIGWASLKNILSSIRLKF	60
Qy	65	DSWVVKGLAGLGNTOEVTLOPEYITKVFVAFOAFKRGVWMTSKDRYFRGKLDGO-IS	123
Db	61	NNMQEYVSSGRARIEVLNDETVLGFSGSFYFMQIITTSQPRELIIGPLGRVYV	120
Qy	124	SAYPSGQGVVGYGQYQLGKISGFEM	153
Db	121	TSYPENPHVRGIGYVVTGGLKMKRYLW	150

RESULT 2
S42924 ZG-16p protein - rat
C:Species: Rattus norvegicus (Norway rat)
C:Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 09-Jul-2004
C:Accession: S42924
R:Cronshagen, U.; Voland, P.; Kern, H.F.
submitted to the EMBL Data Library, March 1994
A:Description: cDNA cloning and characterization of a novel 16 kDa protein located in zy
A:Reference number: S42924
A:Accession: S42924
A:Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-148 <CRO>
A:Cross-references: UNIPROT:Q63680; EMBL:Z30584; NID:g459253; PIDN:CAA83059.1; PID:g4592

Query Match 17.1%; Score 160; DB 2; Length 148;
Best Local Similarity 31.3%; Pred. No. 6.5e-08;
Matches 46; Conservative 23; Mismatches 62; Indels 16; Gaps 4;

QY 7 MLLLTLLALIGGTTWAGKM-----YGGGCKYFS-TTDDYHETGLRVSGLLI 55
DB 1 MMLLTLLALIGGTTWAGKM-----YGGGCKYFS-TTDDYHETGLRVSGLLI 55
QY 56 VKSVQVYKLGDSMVKLGALGN--TDEVTLPGEYITKVFVAFOAFRGVWYTSKDRYE 113
DB 61 IIGLQVRYGVWMS---DYVGNRETERIFLHPBSVYQVSGKYSYVKQLIFVTDKRYL 117
QY 114 YFGKLDGQIISAVPSQEGVTVGIYQ 140
DB 118 PFGKDGSTSPNAVPLHPNTVLRFSGR 144

RESULT 3

S01266
Spermathe-binding protein precursor, prostatic - mouse
N:Alternate names: secretory glycoprotein p25, prostatic
C:Species: Mus musculus (house mouse)
C>Date: 18-Oct-1989 #sequence_revision 18-Oct-1989 #text_change 09-Jul-2004
A:Accession: S01266
R:Miller, J.S.; Needham, M.; Parker, M.G.
Nucleic Acids Res. 15, 7709-7724, 1987
A>Title: Androgen regulated expression of a spermathe binding protein gene in mouse ventr
A:Reference number: S01266; MID:88040403; PMID:3502715
A:Accession: S01266
A:Molecule type: DNA
A:Residues: 1-199 <MIL>
A:CROSS-references: UNIPROT:P15501; EMBL:X06246; NID:953170; PIDN:CAA29591.1; PID:953171
A>Note: the authors translated the codon ATA for residues 75 and 86 as Met
C:Keywords: glycoprotein
F:1-18/Domain: signal sequence #status predicted <SIG>
F:19-199/Product: spermathe-binding protein, prostatic #status predicted <MAT>

Query Match 17.1%; Score 160; DB 2; Length 199;
Best Local Similarity 31.4%; Pred. No. 9.3e-08;
Matches 48; Conservative 26; Mismatches 69; Indels 10; Gaps 5;

QY 7 MLLLTLLALIGGPTW-AGKMYGPGGCKYFSTTDDYHETGLRVSGLL-LVKSQVYKLG 64
DB 1 MLLLTLLALIGGPTW-AGKMYGPGGCKYFSTTDDYHETGLRVSGLL-LVKSQVYKLG 64
QY 65 DSDVDVYKLGALGNTOEVTLPGEYITKVFVAFOAFRGVWYTSKDRYFPGKLDGQIS 124
DB 61 SMTVDVYKLRSDNFDLLEDGEHVLRVGSVAICLTSLFTTNKGRVATGVRGR--- 117
QY 125 AVPSQEG---QVLVGIYGOYL-LGKISGFEM 153
DB 118 YFSDVQSGDKHLVTVNGMHAPGLCVRGIGFKM 149

RESULT 4

I52115
Common salivary protein 1 precursor - mouse
C:Species: Mus sp. (mouse)
C>Date: 26-Jul-1996 #sequence_revision 26-Jul-1996 #text_change 09-Jul-2004
A:Accession: I52115
Arch. Oral Biol. 39, 1011-1022, 1994
A>Title: cDNA cloning, sequencing and in situ localization of a transcript specific to h
A:Reference number: I52115; MID:9523937; PMID:7717861
A:Accession: I52115
A>Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: mRNA
A:Residues: 1-170 <RSS>
A:CROSS-references: UNIPROT:Q64097; GB:S76879; NID:9914062; PIDN:AB34023.1; PID:9914063
C:Superfamily: common salivary protein 1

Query Match 13.1%; Score 122.5; DB 2; Length 170;

Best Local Similarity 29.5%; Pred. No. 0.00027;
Matches 46; Conservative 20; Mismatches 87; Indels 3; Gaps 3;

QY 1 MHRPAMLLLTLLALIGGTTWAGKM--GPGGCKYFSTTDDYHETGLRVSGLLVKS 59
DB 1 MFOLEAMPLLTLLALIGGTTWAGKM--GPGGCKYFSTTDDYHETGLRVSGLLVKS 59
QY 60 QVRLGDSMVKLGALGNTOEVTLPGEYITKVFVAFO-APLRGVWYTSKDRYFPGKL 118
DB 61 QVNNNEDQVYGVSTAGKVMVARNLNNESIIAEGYSPSALTQLIFTTNQRQLMVG 120
QY 119 DQGIS-SAVPSQEGVTVGIYQYQLGKISGFEM 153
DB 121 VGSSEVSFPDDPSHVLKGCACVSWRAGIKSLIFLM 156

RESULT 5

B71636
Hypothetical protein RP758 - Rickettsia prowazekii
C:Species: Rickettsia prowazekii
C>Date: 21-Nov-1998 #sequence_revision 21-Nov-1998 #text_change 09-Jul-2004
A:Accession: B71636
R:Andersson, S.G.E.; Zomorodipour, A.; Andersson, J.O.; Sichteritz-Fonten, T.; Alsmark, L.
Nature 396, 133-140, 1998
A>Title: The genome sequence of Rickettsia prowazekii and the origin of mitochondria.
A:Reference number: A71630; MID:99039499; PMID:9823893
A:Accession: B71636
A>Status: preliminary; nucleic acid sequence not shown; translation not shown
A:Molecule type: DNA
A:Residues: 1-1581 <AND>
A:CROSS-references: UNIPROT:Q9ZC12; GB:AJ235273; GB:AJ235269; NID:93861237; PIDN:CAA1518
A:Experimental source: strain Madrid E
C:Genetics:
A:Gene: RP758

Query Match 11.0%; Score 102.5; DB 2; Length 1581;
Best Local Similarity 27.0%; Pred. No. 0.33;
Matches 43; Conservative 24; Mismatches 51; Indels 41; Gaps 8;

QY 15 LIGGPTWAGKMVGPGGCKYFSTTDDYHETGLRVSGLLVKSQVYKLGDSMDVYKLG 74
DB 779 LRGGPV-----SRGLRMSDPAEDYRFFILG-----LKAQMTK--NSYIPVSGK 822
QY 75 GG---NTDEVTLPGEYITKVFVAFOAFRGVWYTSKDRYFPGKLDGQI-----SSAY 126
DB 823 GGFYVNFTEEGLTRDEWKEVCEYKNFLRGLLDITD-----NIDKVVHPKMMIY 875
QY 127 PSQEGVTVGI-----YGOYQLGKISGFEMTPLEE 159
DB 876 DTQDPYLVVAADKGTASFSDY-----ANSYAKENYTWLDD 910

RESULT 6

C70072
serine/threonine protein kinase homolog yxaL - Bacillus subtilis
C:Species: Bacillus subtilis
C>Date: 05-Dec-1997 #sequence_revision 05-Dec-1997 #text_change 09-Jul-2004
A:Accession: C70072
R:Kuner, F.; Ogasawara, N.; Moszer, I.; Albetini, A.M.; Alloni, G.; Azevedo, V.; Berter
C.; Bron, S.; Brouillet, S.; Bruch, C.V.; Caldwell, B.; Capuano, V.; Carter, N.M.; CMC
A.; Ehrlich, S.D.; Emerson, P.T.; Ehtian, K.D.; Errington, J.; Fabret, C.; Ferrari, E.
Nature 390, 249-256, 1997
A:Authors: Foulger, D.; Fritz, C.; Fujita, M.; Fujita, Y.; Fuma, S.; Galizzi, A.; Gallier
leeb, J.; Hatwood, C.R.; Henaut, A.; Hilbert, H.; Holsappel, S.; Hosono, S.; Hullo, M.F.
Koetter, P.; Koningsstein, G.; Krogh, S.; Kumano, M.; Kurita, K.; Lapidus, A.; Lardinois,
A.; Authors: Lauber, J.; Lazarevic, V.; Lee, S.M.; Levine, A.; Liu, H.; Masuda, S.; Maueel
Y., M.; Ogawa, K.; Ogihara, A.; Oudega, B.; Park, S.H.; Parro, V.; Pohl, T.M.; Portetelli
Rieger, M.; Rivolta, C.; Rocha, E.; Roche, B.; Rose, R.; Sadale, Y.; Sato, T.; Scanlon,
A.; Authors: Schleich, S.; Schroeter, T.; Scoffone, F.; Sekiguchi, J.; Sekowska, A.; Seron
akeuchi, M.; Tanakoshi, A.; Tanaka, T.; Terpere, P.; Tognoni, A.; Tosato, V.; Uchiyama,
T.; Winters, P.; Wipac, A.; Yamamoto, H.; Yamane, K.; Yamamoto, K.; Yata, K.; Yoshida, K
A.; Authors: Yoshikawa, H.F.; Zuerlein, E.; Yoshikawa, H.; Danchin, A.
A>Title: The complete genome sequence of the Gram-positive bacterium Bacillus subtilis.

A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-853 <K03>
A:Cross-references: UNIPROT:Q9ZXE2; EMBL:AB016282; PIDN:BA036647.1
C:Superfamily: phage PZA gene 12 protein

Query Match 8.9%; Score 83.5; DB 2; Length 853;

Best Local Similarity 22.2%; Pred. No. 9.9; Mismatches 76; Indels 51; Gaps 7;

Matches 42; Conservative 20; Mismatches 76; Indels 51; Gaps 7;

QY 15 LLGGPTWAGKMYGPGGKYPSTEDYDHEITGLRVSVGLLVKSYOVKLGDSMDVKLGAL 74

Db 599 LLAGNAGGSSEGSNGVMFS---YDSHTTGDSAGSGVMFSKA--TKNSKSYTLALGHG 652

QY 75 GANTOE---VTLPGEYITTVFAFQAFPLRGVVMYTSKDRYFRGKLDG-QISSAY--- 126

Db 653 NGKASEANKKIELNAKNGTVATGAIES-----VSNLKDLAEYFESADGAKIEASYLVA 706

QY 127 -----PSOEGQVLYVGIYGYQLLGISIGFENN-----Y 155

Db 707 LEGDKIRKQDGDKILGVSVKTAGVTLGGAAPYMWDRFLRDFEGGIYREVFDGEDIIITI 766

QY 156 PLEBPTTEP 164

Db 767 PAENPNYDP 775

RESULT 15

H96775

Similar to jacalin [imported] - Arabidopsis thaliana

C:Species: Arabidopsis thaliana (mouse-ear cress)

C:Date: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004

C:Accession: H96775

R:Theologis, A.; Ecker, J.R.; Palm, C.J.; Federpiel, N.A.; Kaul, S.; White, O.; Alonso,

Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.;

ansen, N.F.; Hughes, B.; Hulzar, L.

Nature 408, 816-820, 2000

A:Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C.

A.; Li, J.H.; Li, Y.; Lin, X.; Liu, S.X.; Liu, Z.A.; Lucos, J.S.; Maiti, R.; Marziani,

Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.

A:Authors: Salberg, S.L.; Schwartz, J.R.; Shim, P.; Southwick, A.M.; Sun, H.; Tallon,

ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.

A:Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.

A:Reference number: A86141; PMID:11130712

A:Accession: H96775

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-176 <STO>

A:Cross-references: UNIPROT:Q9SSM3; GB:AB005173; NID:G5903093; PIDN:AA055651.1; GSPDB:GN

C:Genetics:

A:Gene: F3N23.24

A:Map position: 1

Query Match 8.8%; Score 82; DB 2; Length 176;

Best Local Similarity 26.8%; Pred. No. 2; Mismatches 48; Indels 44; Gaps 10;

Matches 42; Conservative 23; Mismatches 48; Indels 44; Gaps 10;

QY 27 GPGGKXFTSTED-----YDHEITGLRVSVGLLVKSYOVKLGDSMDVKLGAL 74

Db 16 GPMGNGGTWDDGIYDGVREIRLVYDHCID---SISVIYDKNGKPAKSE---KHGCV 67

QY 75 GGN-TQEVYTLQ-PGEYITKVFVAF-----QAFPLRGVVMYTSKDRYFRGKLDGQISSA 125

Db 68 GGNKTSSEIKLOYPEEYILGVSGVYCPMVNSGTPVIRSMTPKSNKQVGPYG-----VEOG 122

QY 126 YP---SQEGQVLYVGIYGO---YQLLGISIGFENNYP 156

Db 123 TPFTFSVNGRIVGMNGSGWY---LDSIGFHLSP 155

Search completed: May 9, 2005, 21:23:14
Job time : 28 sec

This Page Blank (uspto)

1	933	99.7	178	2	Q6W28	Q6w28	homo sapien
2	899	96.0	172	2	Q96DA0	Q96da0	homo sapien
3	203	21.7	167	2	Q60844	Q60844	homo sapien
4	183.5	19.6	159	2	Q63015	Q63015	rattus norv
5	177.5	19.0	167	2	Q8K0C5	Q8K0c5	mus musculus
6	171.5	18.3	162	2	Q8CDJ3	Q8cdj3	rattus norv
7	170	18.2	232	2	Q9D6Y0	Q9d6y0	rattus norv
8	165.5	17.7	217	2	Q9CP22	Q9cp22	m mus muscu
9	165.5	17.7	217	2	Q9D6Y8	Q9d6y8	mus musculus
10	165.5	17.7	217	2	Q9D6Z5	Q9d6z5	mus musculus
11	165.5	17.7	217	2	Q9D7C7	Q9d7c7	mus musculus
12	165	17.6	279	1	SPBP RAT	P88773	rattus norv
13	163.5	17.5	217	2	Q9CP33	Q9cp33	m mus muscu
14	160	17.1	148	2	Q63680	Q63680	rattus norv
15	160	17.1	199	1	SPBP_MOUSE	P15501	mus musculus
16	134	14.3	171	2	Q99JY1	Q99jy1	mus musculus
17	122.5	13.1	170	2	Q64097	Q64097	mus musculus
18	122.5	13.1	170	2	Q7BEA2	Q7bea2	mus sp. p20
19	122	13.0	197	2	Q8C6D7	Q8c6d7	mus musculus
20	104.5	11.2	1581	2	Q68VZ1	Q68vz1	mus musculus
21	102.5	11.0	1581	2	Q9XC12	Q9xc12	ricietyria
22	95.5	10.2	410	1	YXAL_BACCU	P4211	baclillus su
23	95.5	10.2	762	2	Q7V5X2	Q7v5x2	prochloroco
24	94	10.0	150	2	Q660F1	Q660f1	mus musculus
25	93.5	10.0	1583	2	Q7P9S4	Q7p9s4	ricietyria
26	93.5	10.0	1583	2	Q9ZGEG	Q9zgeg	ricietyria
27	93	9.9	702	2	Q6BZM1	Q6bzm1	yarrowia li
28	91.5	9.8	612	1	YK66_SCHHO	Q9u512	schizosacch
29	88.5	9.5	680	2	P93658	P93658	braasica na
30	88.5	9.5	1361	2	Q9FVZ5	Q9fvz5	lycopersico
31	87.5	9.3	1210	2	Q7DM89	Q7dm89	lycopersico

32	87	9.3	1337	2	Q8H343	Q8H343	oryza sativa
33	86	9.2	534	2	Q8H1S9	Q8H1S9	monosigma br
34	85.5	9.1.1	690	2	Q8GR64	Q8GR64	pseudomonas
35	85.5	9.1	803	2	Q88MX4	Q88MX4	pseudomonas
36	85.5	9.1	1093	1	NAL4 HUMAN	Q86W24	homo sapiens
37	84.5	9.0	295	2	Q8UAB6	Q8UAB6	agrobacteri
38	83.5	8.9	309	1	LECA_CASCR	P82859	castranea cir
39	83.5	8.9	525	2	Q8PMV4	Q8PMV4	xanthomonas
40	83.5	8.9	653	2	Q9F9U2	Q9F9U2	pseudomonas
41	83.5	8.9	895	2	Q9FXE2	Q9FXE2	bacteriophan
42	83.5	8.9	1309	2	Q7VEL9	Q7VEL9	prochloroco
43	83	8.9	1289	2	Q91RA1	Q91RA1	revivirus ty
44	82.5	8.8	315	2	Q8GMI7	Q8GMI7	arabidopsi
45	82.5	8.8	375	2	Q93IT4	Q93IT4	enterobacte

ALIGNMENTS

RESULT 1	Q6UM28	PRELIMINARY;	PRT;	178 AA.
ID	Q6UM28			
AC	Q6UM28			
DT	05-JUL-2004 (TRENDELrel. 27, Created)			
DT	05-JUL-2004 (TRENDELrel. 27, Last sequence update)			
DT	05-JUL-2004 (TRENDELrel. 27, Last annotation update)			
DE	HRPE773.			
CN	ORFNames=UNQ773;			
OS	Homo sapiens (human).			
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
OC	Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.			
OX	NCBI_TaxId=9606;			
RN	[1]			
RP	SEQUENCE FROM N.A.			
RX	MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;			
RA	Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J.,			
RA	Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,			
RA	Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S.,			
RA	Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,			
RA	Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J.,			
RA	Seehagiri S., Simmons L., Singh V., Stinson J., Vagts A.,			
RA	Vanclen R., Watanabe C., Wleand D., Woods K., Xie M.H., Yansura D.,			
RA	Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,			
RA	Godowski P.;			
RT	"The secreted protein discovery initiative (SPDI), a large-scale			
RT	effort to identify novel human secreted and transmembrane proteins: a			
RT	bioinformatics assessment.";			
RL	Genome Res. 13:2265-2270(2003).			
DR	EMBL; AY359021; AAC09380.1; -			
DR	InterPro; IPR01229; Ucaclain_1eccln.			
SQ	SEQUENCE 178 AA; 19600 MW; BEDF3C6B9021A29 CRC64;			
Query Match	99.7%; Score 933; DB 2; Length 178;			
Best Local Similarity	99.4%; Pred. No. 3.6e-81;			
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0				
QY	1 MHRPEAMILLITLALGGPTWAGKMYPGGKYSSTEDYDHEITGLRVSVGLLVKSVQ 60			
DB	1 MHRPEAMILLITLALGGPTWAGKMYPGGKYSSTEDYDHEITGLRVSVGLLVKSVQ 60			
QY	61 VKLGDSMDVKLGALGAGNTQEVTLTPGEXITTKVFAFOAFAGVNVYSKDRFFYFGKIDG 120			
DB	61 VKLGDSMDVKLGALGAGNTQEVTLTPGEXITTKVFAFOAFAGVNVYSKDRFFYFGKIDG 120			
QY	121 QISSAYVSQSGQVNLVYGQVOLLGISIGSENNYPLLEPTEPPVNLTVSANSPVGR 178			
DB	121 QISSAYVSQSGQVNLVYGQVOLLGISIGSENNYPLLEPTEPPVNLTVSANSPVGR 178			
RESULT 2				
ID	Q96DA0	PRELIMINARY;	PRT;	172 AA.
AC	Q96DA0;			

DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
DE Similar to common salivary protein 1.
GN Name=LOC124220;
OS Homo sapiens (human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Lung;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shennan C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Ustin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loggellano N.A., Peters G.J., Abramson R.D., Mullaly S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettelman M., Madan A., Rodriguez S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butlerfield Y.S.,
RA Krzywinski M.I., Skalska U., Smalish D.E., Scherch A., Schein J.E.,
RA Jones S.J., Maier M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
and mouse cDNA sequences.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN [2]
RP SEQUENCE FROM N.A.
RC TISSUE=Lung;
RA Strausberg R.;
RL Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL: BC009722; AA09722.1; -
DR InterPro: IPR001229; Jaccalin_lectin.
SQ SEQUENCE 172 AA; 18879 MW; BC34ADFB3A99AEF CRC64;
Query Match 96.4%; Score 899; DB 2; Length 172;
Best local Similarity 99.4%; Pred. No. 6,3e-78;
Matches 171; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 7 MLLLTLLALGAGPTWAGKMGPGGKXFTTEDYDHEITGLRVSGLLVKSVQVVLKGD 66
1 MLLLTLLALGAGPTWAGKMGPGGKXFTTEDYDHEITGLRVSGLLVKSVQVVLKGD 60
DB 67 WDVYKLGALGNTQEVTLQPEBYITKVFVAFOAFLRGVMTTSQDRYVPEKLDGQISSAY 126
61 WDVYKLGALGNTQEVTLQPEBYITKVFVAFOAFLRGVMTTSQDRYVPEKLDGQISSAY 120
QY 127 PSQGGVVLVIGYQYQLGKISIGFEMNYPLEBPTTPEPNLTYANSAPYGR 178
121 PSQGGVVLVIGYQYQLGKISIGFEMNYPLEBPTTPEPNLTYANSAPYGR 172
RESULT 3
060844 PRELIMINARY; PRT; 167 AA.
ID 060844;
AC 060844;
DT 01-AUG-1998 (TrEMBLrel. 07, Created)
DT 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
DT 25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE Homolog of rat zymogen granule membrane protein (ZG16p) (Zymogen
granule protein 16).
GN Name=ZG16p; Synonyms=ZG16, ZG16p;
OS Homo sapiens (human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
NCBI_TaxID=9606;

RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=99425270; PubMed=10493829; DOI=10.1006/geno.1999.5927;
RA Loftus B.J., Kim U.J., Sneddon V.P., Kalush F., Brandon R.,
RA Fuhrmann J., Mason T., Crosby M.L., Barnstead M., Cronin L.,
RA Deslattes Mays A., Cao Y., Xu R.X., Kang H.L., Mitchell S.,
RA Eichler E.E., Harris P.C., Venter J.C., Adams M.D.;
RT "Genome duplications and other features in 12 Mb of DNA sequence from
human chromosome 16p and 16q.";
RL Genomics 60:295-308(1999).
RN [2]
RP SEQUENCE FROM N.A.
RA Hosokawa S., Kojima-Aikawa K.;
RL Submitted (OCT-2002) to the EMBL/GenBank/DBJ databases.
RN [3]
RP SEQUENCE FROM N.A.
RC TISSUE=Colon;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shennan C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Ustin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loggellano N.A., Peters G.J., Abramson R.D., Mullaly S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettelman M., Madan A., Rodriguez S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butlerfield Y.S.,
RA Krzywinski M.I., Skalska U., Smalish D.E., Scherch A., Schein J.E.,
RA Jones S.J., Maier M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
and mouse cDNA sequences.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN [4]
RP SEQUENCE FROM N.A.
RC TISSUE=Colon;
RA Strausberg R.;
RL Submitted (MAY-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL: AC002301; AAC08708.1; -
DR EMBL: AB029813; BAC20361.1; -
DR EMBL: BC029149; AA029149.1; -
DR HSSP: P18670; IUGX.
DR InterPro: IPR001229; Jaccalin_lectin.
DR Pfam: PF01419; Jaccalin; 1.
SQ SEQUENCE 167 AA; 18177 MW; FAABCE14FCECEAF CRC64;
Query Match 21.7%; Score 203; DB 2; Length 167;
Best local Similarity 34.4%; Pred. No. 2.6e-11;
Matches 56; Conservative 25; Mismatches 64; Indels 18; Gaps 5;
QY 10 LTLTLLALG-----GPTWAGKMGPGGKXFTTEDYDHEITGLRVSGL 54
1 MLLLTLLALGAGPTWAGKMGPGGKXFTTEDYDHEITGLRVSGL 59
DB 55 LVKSVQVVLKGDSDWVYKLGALGNTQEVTLQPEBYITKVFVAFOAFLRGVMTTSQDRYV 114
60 YIVGLQVRKGVKXMSDYGGRNDLEIFLHPESYIVQVGKXKWLKLVFTDGRKYL 119
QY 115 FGLDQGISAYPSQGGVVLVIGYQYQLGKISIGFEMN-YP 156
120 FGLDQGISAYPSQGGVVLVIGYQYQLGKISIGFEMN-YP 161
RESULT 4
063015 PRELIMINARY; PRT; 159 AA.
ID 063015;
AC 063015;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)

DT 01-NOV-1996 (TREMBlrel. 01, last sequence update)
 DT 01-OCT-2003 (TREMBlrel. 25, last annotation update)
 DE Common salivary protein 1 precursor.
 OS Rattus norvegicus (Rat).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
 ON NCBI_TaxID=10116;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=Sprague-Dawley; TISSUE=Parotid gland;
 RX MEDLINE=94075351; PubMed=8253789;
 RA Girard L.R., Castle A.M., Hand A.R., Castle J.D., Mirels L.;
 RT "Characterization of common salivary protein 1, a product of rat
 submandibular, sublingual and parotid glands."
 RL J. Biol. Chem. 268:26592-26601(1993).
 DR EMBL; U00964; AAA16140.1; -.
 DR PIR; A49685; A49685.
 DR InterPro; IPR001229; Jacalin_lectin.
 KW Signal.
 FT SIGNAL.
 FT CHAIN 1 17 Potential.
 FT 18 159 common salivary protein 1 (secreted
 FT SEQUENCE 159 AA; 17639 MW; BD12860A68E25492 CRC64;
 SO
 Query Match 19.6%; Score 183.5; DB 2; Length 159;
 Best Local Similarity 30.0%; Pred. No. 1.8e-09;
 Matches 45; Conservative 29; Mismatches 73; Indels 3; Gaps 2;
 Oy 7 MLLLTALLGGPT--WAGKMYGPGGKYPSTTDDYDHEITGLRVSGLLVKSQVQLG 64
 Db 1 MLPLTLLAFLGTPALVQSGRYHSEFTGKFCIVAPESGPVIMASLKNLISRLKFG 60
 Oy 65 DSWDKALGALGNTQEVTLQPGERTTKYFVAFQAFLRGVMTSKDRYFYGKLDGQ-IS 123
 Db 61 NMWQEVGSSGRARIEVKNLDEFTVLGFGSGFYFMHQIITTSQPRELIIIGPLTGRYV 120
 Oy 124 SAYPSQEGVLVGYGOYQLGKISIGFEM 153
 Db 121 TSPENPNHVRGICGYVTGSLKMRYLW 150
 RESULT 5
 O8KOC5 PRELIMINARY; PRT; 167 AA.
 AC O8KOC5;
 DT 01-OCT-2002 (TREMBlrel. 22, Created)
 DT 01-OCT-2002 (TREMBlrel. 22, last sequence update)
 DT 01-MAR-2003 (TREMBlrel. 23, last annotation update)
 DE Zymogen granule membrane protein 16.
 GN Mus musculus (Mouse).
 OS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 ON NCBI_TaxID=10090;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=FVB/N; TISSUE=Colon;
 RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
 RA Strauberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
 RA Klausner R.D., Collins F.S., Wagner L., Sherman C.M., Schuler G.D.,
 RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
 RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
 RA Datchenko L., Marusik K., Farmer A.A., Rubin G.M., Hong L.,
 RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.B.,
 RA Brownstein M.J., Usciti T.B., Toshilyuk S., Carninci P., Prange C.,
 RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
 RA Bosak S.A., McGowan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
 RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
 RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
 RA Fahey J., Hellon E., Ketting A.C., Young A.C., Rodriguez S., Sanchez A.,
 RA Whitting M., Madan A., Yeung A.C., Shevchenko Y., Bouffard G.G.,
 RA Blakeley R.W., Touchman J.W., Green E.D., Dickson M.C.,
 RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield V.S.,

RA Krzywinski M.I., Skalska U., Smallus D.E., Schnerch A., Schein J.B.,
 RA Jones S.J., Marra M.A.;
 RT "Generation and initial analysis of more than 15,000 full-length human
 RT and mouse cDNA sequences."
 RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
 RN [2]
 RP SEQUENCE FROM N.A.
 RC STRAIN=FVB/N; TISSUE=Colon;
 RX Strauberg R.;
 RL Submitted (JUN-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; BC031800; AAA31800.1; -.
 DR HSSP; Q9ZQY5; IC3K.
 DR MGD; MGI:1916286; 1810010M01R1K.
 DR InterPro; IPR001229; Jacalin_lectin.
 DR Pfam; PF01419; Jacalin_1.
 DR SEQUENCE 167 AA; 18209 MW; CID42C54688B6475 CRC64;
 SO
 Query Match 19.0%; Score 177.5; DB 2; Length 167;
 Best Local Similarity 30.9%; Pred. No. 7.2e-09;
 Matches 50; Conservative 24; Mismatches 75; Indels 13; Gaps 4;
 Oy 7 MLLLTALLGGPTWAGK-----YPGGKYPSTTDDYDHEITGLRVSGLL 55
 Db 1 MLAVALLVLLCASASANSISQRTSSYGEYGGKGFSSHGNDLDPITAFIRVRY 60
 Oy 56 VKSQVQLGDSWDVKLALGNTQEVTLQPGERTTKYFVAFQAFLRGVMTSKDRYFYF 115
 Db 61 IVGLQVRYGVMSDYVGQDLEIFLHPESYIVQSGKYSVKOMIFVTDKGRYLPF 120
 Oy 116 GKLDGQISSAYPSQEGVLVGYGOYQLGKISIGFEMN-YP 156
 Db 121 GKSGTSFNAVPLHPNTVLRISGR-SGSAIDSLHMDIYP 161
 RESULT 6
 O8CD3 PRELIMINARY; PRT; 167 AA.
 AC O8CD3;
 DT 01-MAR-2003 (TREMBlrel. 23, Created)
 DT 01-MAR-2003 (TREMBlrel. 23, last sequence update)
 DT 01-JUN-2003 (TREMBlrel. 24, last annotation update)
 DE ZG16 protein.
 GN Name=ZG16.
 OS Rattus norvegicus (Rat).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
 ON NCBI_TaxID=10116;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC Matsuda Y., Kojima-Aikawa K.;
 RL Submitted (NOV-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AB095177; BAC24023.1; -.
 DR HSSP; P18670; IM26.
 DR InterPro; IPR001229; Jacalin_lectin.
 DR Pfam; PF01419; Jacalin_1.
 DR SEQUENCE 167 AA; 18212 MW; SC210CD2C1220C2 CRC64;
 SO
 Query Match 18.3%; Score 171.5; DB 2; Length 167;
 Best Local Similarity 30.2%; Pred. No. 2.7e-08;
 Matches 49; Conservative 26; Mismatches 74; Indels 13; Gaps 4;
 Oy 7 MLLLTALLGGPTWAGK-----YPGGKYPSTTDDYDHEITGLRVSGLL 55
 Db 1 MLAVALLVLLCASASANSISQRTSSYGEYGGKGFSSHGNDLDPITAFIRVRY 60
 Oy 56 VKSQVQLGDSWDVKLALGNTQEVTLQPGERTTKYFVAFQAFLRGVMTSKDRYFYF 115
 Db 61 IIVGLQVRYGVMSDYVGQDLEIFLHPESYIVQSGKYSVKQIFVTDKGRYLPF 120
 Oy 116 GKLDGQISSAYPSQEGVLVGYGOYQLGKISIGFEMN-YP 156
 Db 121 GKSGTSFNAVPLHPNTVLRISGR-SGSAIDSLHMDIYP 161

```

RESULT 7
Q9D6Y0 PRELIMINARY; PRT; 232 AA.
AC Q9D6Y0;
DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Mus musculus adult male tongue cDNA, RIKEN full-length enriched
DE library, clone:2310045022 product:spermine binding protein, full
DE insert sequence.
GN Name=Sbp;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
PI 11
SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Tongue;
RX MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
RA Carninci P., Hayashizaki Y.;
RT "High-efficiency full-length cDNA cloning.";
RL Meth. Enzymol. 303:19-44(1999).
PI 12
SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Tongue;
RX MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RA RIKEN FANTOM Consortium;
RT "Functional annotation of a full-length mouse cDNA collection.";
RL Nature 409:685-690(2001).
PI 13
SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Tongue;
RA The FANTOM Consortium;
RT the RIKEN Genome Exploration Research Group Phase I & II Team;
RT "Analysis of the mouse transcriptome based on functional annotation of
RT 60,770 full-length cDNAs.";
RL Nature 420:563-573(2002).
PI 14
SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Tongue;
RX MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
RA Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
RA Komno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
RT "Normalization and subtraction of cap-trapper-selected cDNAs to
RT prepare full-length cDNA libraries for rapid discovery of new genes.";
RL Genome Res. 10:1617-1630(2000).
PI 15
SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Tongue;
RX MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
RA Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
RA Komno H., Akiyama J., Nishi K., Kiteunai T., Tashiro H., Itoh M.,
RA Sumi N., Ishii Y., Nakamura S., Hazama M., Nishino T., Harada A.,
RA Yamamoto R., Matsunoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
RA Fujiwaka S., Inoue K., Togawa Y., Izawa M., Ohara E., Watabiki M.,
RA Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsumura S., Kawai J.,
RA Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
RT "RIKEN integrated sequence analysis (RISA) system-384-Format
RT sequencing pipeline with 384 multichipillary sequencer.";
RL Genome Res. 10:1757-1771(2000).
PI 16
SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Tongue;
RA Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
RA Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
RA Hatanaka T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
RA Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
RA Kawai J., Kojima Y., Komno H., Konda M., Koya S., Kurihara C.,
RA Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ono M.,
RA Okazaki Y., Okido T., Owa C., Saito K., Saito R., Sakai C., Sakai K.,
RA Sano H., Sasaki D., Shibata K., Shibata Y., Shingawa A., Shiraki T.,
RA Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,

```

```

RA Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
RA Muramatsu M., Hayashizaki Y.;
RL Submitted (JUL-2000) to the EMBL/Genbank/DBJ databases.
DR EMBL; AK009834; BAB26532.2; -.
DR HSSP; P18674; 1U0T.
DR MGD; MG1:106021; Sbp.
DR InterPro; IPR001229; Jacalin_lectin.
DR Pfam; PF01419; Jacalin; 1.
SQ SEQUENCE 232 AA; 25609 MW; 535E39DB0C603DC3 CRC64;

Query Match 18.2%; Score 170; DB 2; Length 232;
Best Local Similarity 31.4%; Pred. No. 5.4e-08;
Matches 55; Conservative 29; Mismatches 73; Indels 18; Gaps 7;

QY 4 PE---AMLLLTALGGPTW-AGMGVGGGKRPSTTEDYDHEITGRVSGVL-LVKS 58
DB 10 PEPGAMLLLTALALASTCRQNVNLGMAAKRFRVGGEDGGQJLKKRIFLSVKFKIG 69
QY 59 VQKLGDSWVGLAGAGTQEVTLQPGVYTRKVFARQAFLRGVWMTYSKDRYFPGKL 118
DB 70 FQLOFGNMWTDVYGRSDNFTDFLEDEGHHVKGSAVTCUTSLTFTTKGRVATFGVR 129
QY 119 DQGISANPSQGG---QVLVGIYQYL-LGKISGFEEW----NPLSEPTTP 164
DB 130 RGR---YFSDTGGSDKHLVTVNGMHAPGLCVTGMGFKMEDNAKDLGSPPEYKPP 180

RESULT 8
Q9CEP2 PRELIMINARY; PRT; 217 AA.
AC Q9CEP2;
DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT 25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
DE Mus musculus adult male tongue cDNA, RIKEN full-length enriched
DE library, clone:2310081D09 product:spermine binding protein, full-
DE insert sequence (Mus musculus adult male tongue cDNA, RIKEN full-
DE length enriched library, clone:2310016B21 product:spermine binding
DE protein, full insert sequence) (Mus musculus adult male tongue cDNA,
DE RIKEN full-length enriched library, clone:2310016M13 product:spermine
DE binding protein, full insert sequence) (Mus musculus adult male tongue
DE cDNA, RIKEN full-length enriched library, clone:2310026009
DE product:spermine binding protein, full insert sequence) (Mus musculus
DE adult male tongue cDNA, RIKEN full-length enriched library,
DE clone:2310021U09 product:spermine binding protein, full insert
DE sequence) (Mus musculus adult male tongue cDNA, RIKEN full-length
DE enriched library, clone:2310022E24 product:spermine binding protein,
DE full insert sequence) (Mus musculus adult male tongue cDNA, RIKEN
DE full-length enriched library, clone:2310024B05 product:spermine
DE binding protein, full insert sequence) (Mus musculus adult male tongue
DE cDNA, RIKEN full-length enriched library, clone:2310026L09
DE product:spermine binding protein, full insert sequence) (Mus musculus
DE adult male tongue cDNA, RIKEN full-length enriched library,
DE clone:2310030C24 product:spermine binding protein, full insert
DE sequence) (Mus musculus adult male tongue cDNA, RIKEN full-length
DE enriched library, clone:2310031C17 product:spermine binding protein,
DE full insert sequence) (Mus musculus adult male tongue cDNA, RIKEN
DE full-length enriched library, clone:2310033M02 product:spermine
DE binding protein, full insert sequence) (Mus musculus adult male tongue
DE cDNA, RIKEN full-length enriched library, clone:2310034F13
DE product:spermine binding protein, full insert sequence) (Mus musculus
DE adult male tongue cDNA, RIKEN full-length enriched library,
DE clone:2310034H14 product:spermine binding protein, full insert
DE sequence) (Mus musculus adult male tongue cDNA, RIKEN full-length
DE enriched library, clone:2310035C22 product:spermine binding protein,
DE full insert sequence) (Mus musculus adult male tongue cDNA, RIKEN
DE full-length enriched library, clone:2310035I06 product:spermine
DE binding protein, full insert sequence) (Mus musculus adult male tongue
DE cDNA, RIKEN full-length enriched library, clone:2310035I23
DE product:spermine binding protein, full insert sequence) (Mus musculus
DE adult male tongue cDNA, RIKEN full-length enriched library,
DE clone:2310036G02 product:spermine binding protein, full insert
DE sequence) (Mus musculus adult male tongue cDNA, RIKEN full-length

```

DE enriched library, clone:2310040A20 product:spermine binding protein,
 DE full insert sequence) (Mus musculus adult male tongue cDNA, RIKEN
 DE full-length enriched library, clone:2310042L22 product:spermine
 DE binding protein, full insert sequence) (Mus musculus adult male tongue
 DE cDNA, RIKEN full-length enriched library, clone:2310042N22
 DE product:spermine binding protein, full insert sequence) (Mus musculus
 DE adult male tongue cDNA, RIKEN full-length enriched library,
 DE clone:2310046E24 product:spermine binding protein, full insert
 DE sequence) (Mus musculus adult male tongue cDNA, RIKEN full-length
 DE enriched library, clone:2310050K24 product:spermine binding protein,
 DE full insert sequence) (Mus musculus adult male tongue cDNA, RIKEN
 DE full-length enriched library, clone:2310058I05 product:spermine
 DE binding protein, full insert sequence) (Mus musculus adult male tongue
 DE cDNA, RIKEN full-length enriched library, clone:2310066K21
 DE product:spermine binding protein, full insert sequence).
 CN Name:SBP;
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10090;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Tongue;
 RX MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
 RA Carninci P., Hayashizaki Y.;
 RT "High-efficiency full-length cDNA cloning.";
 RL Meth. Enzymol. 303:19-44(1999).
 RN [2]
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Tongue;
 RX MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
 RA RIKEN PANTOM Consortium;
 RT "Functional annotation of a full-length mouse cDNA collection.";
 RL Nature 409:685-690(2001).
 RN [3]
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Tongue;
 RA The RIKEN Genome Consortium;
 RT "Analysis of the mouse transcriptome based on functional annotation of
 60,770 full-length cDNAs.";
 RL Nature 420:563-573(2002).
 RN [4]
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Tongue;
 RX MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
 RA Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
 RA Komano H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
 RT "Normalization and subtraction of cap-trapper-selected cDNAs to
 prepare full-length cDNA libraries for rapid discovery of new genes.";
 RL Genome Res. 10:1617-1630(2000).
 RN [5]
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Tongue;
 RX MEDLINE=20530913; PubMed=11075661; DOI=10.1101/gr.152600;
 RA Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
 RA Komano H., Akiyama J., Nishi K., Kitsuana T., Tashiro H., Itoh M.,
 RA Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
 RA Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kasliwagi K.,
 RA Fujiwaka S., Inoue K., Togawa Y., Izawa M., Ohara E., Watabiki M.,
 RA Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsura S., Kawai J.,
 RA Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
 RT "RIKEN integrated sequence analysis (RISA) system-384-format
 sequencing pipeline with 384 multicapillary sequencer.";
 RL Genome Res. 10:1757-1771(2000).
 RN [6]
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Tongue;
 RA Adachi J., Aizawa K., Akahira S., Akiyama T., Arai A., Aono H.,
 RA Arikawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
 RA Haragaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
 RA Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
 RA Kawai J., Kojima Y., Komano H., Konda M., Koya S., Kurihara C.,

RA Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
 RA Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,
 RA Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
 RA Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
 RA Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
 RA Yamamatsu M., Hayashizaki Y.;
 RT Submitted (JUL-2000) to the EMBL/Genbank/DBJ databases.
 RN [7]
 RP SEQUENCE 217 AA; 24034 MW; FC01D33BBF9A56DC CRC64;
 DR HSSP; P18674; 100T.
 DR MGJ; MGJ; 106021; SBP.
 DR InterPro; IPR001229; Jacalin_lectin.
 DR Pfam; PF01419; Jacalin; 1.
 DR SEQUENCE 217 AA; 24034 MW; FC01D33BBF9A56DC CRC64;
 SQ
 Query Match 17.7%; Score 165.5; DB 2; Length 217;
 Best Local Similarity 30.8%; Pred. No. 1.4e-07;
 Matches 52; Conservative 29; Mismatches 73; Indels 15; Gaps 6;
 QY 7 MLLTLTALLGPPW-AGKATGPGGKFFSTEDYDHEITGLRYSVGLL-LVKSVOYKLG 64
 DB 1 MLLTLTALLASPCRAQNVNIGNAKGFYVQGDGQGLKGMRIFLSVFKFIKGFQLOFG 60
 QY 65 DSDPVKALGALGNQGEVTLQGEYITTFVFAFOAFLGVWWTSKDRFYFGKLDGOISS 124
 DB 61 NNMTDVGSRSDNIDTDLDEGEHVIVEGSAVCLSLITTTKNGRATGVRGR--- 117
 QY 125 AYPQEQE---QVLVGIYQYOL-LGKISGFEM-----NYPELPPTTP 164
 DB 118 -YFSDTGGSDHIVLVNQMHPGLCTVGMGKMKWDNKKDLSPPVYEP 165
 RESULT 9
 ID Q9D6Y8 PRELIMINARY; PRT; 217 AA.
 AC Q9D6Y8;
 DT 01-JUN-2001 (TrEMBLrel. 17, Created)
 DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
 DE Mus musculus adult male tongue cDNA, RIKEN full-length enriched
 DE library, clone:2310045I06 product:spermine binding protein, full
 DE insert sequence.
 CN Name:SBP;
 OS Mus musculus (Mouse).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murine; Mus.
 OC NCBI_TaxID=10090.
 RN (1)
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Tongue;
 RC MEDLINE=21085660; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
 RX Carninci P., Hayashizaki Y.;
 RA "High-efficiency full-length cDNA cloning.";
 RT Mech. Enzymol. 303:19-44(1999).
 RN (2)
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Tongue;
 RC MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
 RX Riken FANTOM Consortium;
 RA "Functional annotation of a full-length mouse cDNA collection.";
 RT Nature 409:685-690(2001).
 RN (3)
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Tongue;
 RC The FANTOM Consortium;
 RA The RIKEN Genome Exploration Research Group Phase I & II Team;
 RT "Analysis of the mouse transcriptome based on functional annotation of
 60,770 full-length cDNAs.";
 RL Nature 420:563-573(2002).
 RN (4)
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Tongue;
 RC MEDLINE=20499374; PubMed=110242159; DOI=10.1101/gr.145100;
 RX Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
 RA Kono H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
 RT "Normalization and subtraction of cap-trapper-selected cDNAs to
 prepare full-length cDNA libraries for rapid discovery of new genes.";
 RL Genome Res. 10:1617-1630(2000).
 RN (5)
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Tongue;
 RC MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
 RX Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
 RA Kono H., Akiyama J., Nishi K., Kitsuwa T., Tashiro H., Itoh M.,
 RA Suni N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
 RA Yamamoto S., Matsumoto H., Sakaguchi S., Ikegami T., Kasaiwagi K.,
 RA Fujiwara S., Inoue K., Togawa Y., Izawa M., Ohara E., Watanabe M.,
 RA Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsura S., Kawai J.,
 RA Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
 RT "RIKEN integrated sequence analysis (RISA) system-384-format
 sequencing pipeline with 384 multichannel sequencer.";
 RL Genome Res. 10:1757-1771(2000).
 RN (6)
 RP SEQUENCE FROM N.A.
 RC STRAIN=C57BL/6J; TISSUE=Tongue;
 RC Aichi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
 RA Arahawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
 RA Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
 RA Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
 RA Kawai J., Kojima Y., Kono H., Kouda M., Koya S., Kurihara C.,
 RA Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ono M.,
 RA Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai T.,
 RA Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
 RA Sogabe Y., Suzuki H., Teganu M., Tagawa A., Takahashi F., Tanaka T.,
 RA Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
 RA Muramatsu M., Hayashizaki Y.;
 RL Submitted (JUL-2000) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AK009819; BAB2521.1; -
 DR HSPF; P18674; 1JOT.
 DR WGD; WGI; 106021; Sbp.
 DR InterPro; IPR001229; Jaccalin_lectin.
 DR Pfam; PF01419; Jaccalin; 1.
 SO SEQUENCE 217 AA; 24094 MW; E6B1D3210F9A56DC CRC64;

Oy	7	MLLTLTALIGGPTW-AGMGVPPGGGKXPESTEDYDHETIGLRVSGLL-LVYSVOYKLG	66
Db	1	MLLTLTALIASPTCAQUNVLGNNAAGKPYVQGEQGGQKMKRIFLSFKETIKGFQJPG	60
Oy	65	DSMDVFLGALGNTOEVTLPQPEYITTKYFVAFOAFRLRWVMTYSKDRYFFYFGKIDQISS	124
Oy	125	AYPSQSG---QVIVGIGYQYOL-LGKISIGBEW-----NYLEPPTTEP	164
Db	118	-YFSDTGSGSDKHLVTWNGMHAGLCTVGTGFWKEMDNADLQSLSPPEVXKP	165
RESULT 10			
O9D6Z5		PRELIMINARY; PRT; 217 AA.	
AC	O9D6Z5;		
DT	01-JUN-2001 (TEMBLrel. 17, Created)		
DT	01-JUN-2001 (TEMBLrel. 17, Last sequence update)		
DT	01-OCT-2002 (TEMBLrel. 22, Last annotation update)		
DE	Mus musculus adult male tongue cDNA, RIKEN full-length enriched		
DE	library, clone:2j10045022 product:spermine binding protein, full		
DE	insert sequence.		
GN	Name=Sbp;		
OS	Mus musculus (Mouse).		
OC	Eukaryote; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
OC	Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.		
OX	NCBI_TaxID=10090;		
RN	[1]		
RN	SEQUENCE FROM N.A.		
RC	STRAIN=C57BL/6J; TISSUE=Tongue;		
RC	MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;		
RA	Carninci P., Hayashizaki Y.;		
RT	"High-efficiency full-length cDNA cloning.";		
RL	Meth. Enzymol. 303:19-44(1999).		
RN	[2]		
RP	SEQUENCE FROM N.A.		
RP	STRAIN=C57BL/6J; TISSUE=Tongue;		
RC	MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;		
RA	RIKEN FANTOM Consortium;		
RT	"Functional annotation of a full-length mouse cDNA collection.";		
RL	Nature 409:685-690(2001).		
RN	[3]		
RP	SEQUENCE FROM N.A.		
RC	STRAIN=C57BL/6J; TISSUE=Tongue;		
RA	The FANTOM Consortium;		
RT	"The RIKEN Genome Exploration Research Group Phase I & II Team;		
RT	"Analysis of the mouse transcriptome based on functional annotation of		
RL	60,770 full-length cDNAs.";		
RL	Nature 420:563-573(2002).		
RN	[4]		
RP	SEQUENCE FROM N.A.		
RC	STRAIN=C57BL/6J; TISSUE=Tongue;		
RC	MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;		
RA	Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,		
RA	Kono H., Okazaki Y., Muramatsu M., Hayashizaki Y.;		
RT	"Normalization and subtraction of cap-trapper-selected cDNAs to		
RT	prepare full-length cDNA libraries for rapid discovery of new genes.";		
RL	Genome Res. 10:1617-1630(2000).		
RN	[5]		
RP	SEQUENCE FROM N.A.		
RC	STRAIN=C57BL/6J; TISSUE=Tongue;		
RC	MEDLINE=20530913; PubMed=11076661; DOI=10.1101/gr.152600;		
RA	Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,		
RA	Kono H., Akiyama J., Nishi K., Kitsuai T., Taahito H., Itoh M.,		
RA	Sunai N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,		
RA	Yanamoto R., Matsunoto H., Sakauchi S., Ikegami T., Kashiwagi K.,		
RA	Fujieda S., Inoue K., Togawa Y., Izawa M., Ohara E., Wachihi M.,		
RA	Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsura S., Kawai J.,		
RA	Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;		
RT	"RIKEN integrated sequence analysis (RISA) system-384-format		
RT	sequencing pipeline with 384 multicapillary sequencer.";		

RL Genome Res. 10:1757-1771 (2000).

RA [6] SEQUENCE FROM N.A.

RC STRAIN=C57BL/6J; TISSUE=Tongue;

RA Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,

RA Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,

RA Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,

RA Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,

RA Kawai J., Kojima Y., Komuro H., Kouda M., Koya S., Kurihara C.,

RA Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,

RA Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,

RA Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,

RA Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,

RA Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,

RA Muramatsu M., Hayashizaki Y.;

RL Submitted (JUL-2000) to the EMBL/GenBank/DBJ databases.

DR EMBL; AK009792; BAB26507.1; -

DR HSSP; P18674; IUOT.

DR MGD; MGI:106021; Sbp.

DR InterPro; IPR001229; Jaccalin_lectin.

DR Pfam; PF01419; Jaccalin.1.

SO SEQUENCE 217 AA; 2406 MW; DC065DAFE9E4422 CRC64;

Query Match 17.7%; Score 165.5; DB 2; Length 217;

Best Local Similarity 30.8%; Pred. No. 1.4e-07;

Matches 52; Conservative 29; Mismatches 73; Indels 15; Gaps 6;

QY 7 MLTLTTLALGGPTW-AGKMYGPGGKYEFTTEDYDHEITGLRVSVGLL-LVKSQVQVLG 64

DB 1 MLTLTTLALASPTCRANVGNAGKFFVYQSGDQGLKGRIRLISVFNFKIGQLQFG 60

QY 65 DSWPVKLGALGNTQEVTLQGEYITTKVFVAFPLRGVWMTSKDRFFYFGKLDGQISS 124

DB 61 NNMTDVGSRSDNFDPLBEGEHVIVKESGAVICLSLFTFTNKGRAVTEGVRGR--- 117

QY 125 AYPQGEQ---QVLVGIYQYQL-LGKISIGPEW-----NYPLEBPTTEP 164

DB 118 -YFSDTGSDGHLTVVNGMHAPGLCVTGMGFKMEDNAKDLGPPEPVKEP 165

RESULT 11

Q9D7C7 PRELIMINARY; PRT; 217 AA.

AC Q9D7C7

DT 01-JUN-2001 (TRENBLrel. 17, Created)

DT 01-JUN-2001 (TRENBLrel. 17, Last sequence update)

DT 01-OCT-2002 (TRENBLrel. 22, Last annotation update)

DE Mus musculus adult male tongue cDNA, RIKEN full-length enriched

DE library, clone:2310015E19 product:spermne binding protein, full

DE insert sequence.

GN Name:Sbp;

OS Mus musculus (Mouse).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.

OX NCBI_TaxID=10090;

RA [1] SEQUENCE FROM N.A.

RC STRAIN=C57BL/6J; TISSUE=Tongue;

RC MEDLINE=99273253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;

RA Carninci P., Hayashizaki Y.;

RL "High-efficiency full-length cDNA cloning.";

RL Meth. Enzymol. 303:19-44(1999).

RA [2] SEQUENCE FROM N.A.

RC STRAIN=C57BL/6J; TISSUE=Tongue;

RC MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;

RA RIKEN PANTOM Consortium;

RL "Functional annotation of a full-length mouse cDNA collection.";

RL Nature 409:685-690(2001).

RA [3] SEQUENCE FROM N.A.

RC STRAIN=C57BL/6J; TISSUE=Tongue;

RA The PANTOM Consortium;

RA the RIKEN Genome Exploration Research Group Phase I & II Team;

RT "Analysis of the mouse transcriptome based on functional annotation of

RT 60,770 full-length cDNAs.";

RL Nature 420:563-573(2002).

RA [4] SEQUENCE FROM N.A.

RC STRAIN=C57BL/6J; TISSUE=Tongue;

RC MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;

RA Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,

RA Komuro H., Okazaki Y., Muramatsu M., Hayashizaki Y.;

RT "Normalization and subraction of cap-trapper-selected cDNAs to

RT prepare full-length cDNA libraries for rapid discovery of new genes.";

RL Genome Res. 10:1617-1630(2000).

RA [5] SEQUENCE FROM N.A.

RC STRAIN=C57BL/6J; TISSUE=Tongue;

RC MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;

RA Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,

RA Komuro H., Akiyama J., Nishi K., Kitaura T., Tashiro H., Itoh M.,

RA Suni N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,

RA Yamamoto K., Matsunoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,

RA Fujiwaka S., Inoue K., Togawa Y., Izawa M., Ohara E., Watabiki M.,

RA Yoneda Y., Iehikawa T., Ozawa K., Tanaka T., Matsura S., Kawai J.,

RA Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;

RT "RIKEN integrated sequence analysis (RISA) system-384-format

RT sequencing pipeline with 384 multicapillary sequencer.";

RL Genome Res. 10:1757-1771(2000).

RA [6] SEQUENCE FROM N.A.

RC STRAIN=C57BL/6J; TISSUE=Tongue;

RA Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,

RA Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,

RA Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,

RA Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,

RA Kawai J., Kojima Y., Komuro H., Kouda M., Koya S., Kurihara C.,

RA Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,

RA Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,

RA Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,

RA Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,

RA Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,

RA Muramatsu M., Hayashizaki Y.;

RL Submitted (JUL-2000) to the EMBL/GenBank/DBJ databases.

DR EMBL; AK009356; BAB26237.1; -

DR HSSP; P18674; IUOT.

DR MGD; MGI:106021; Sbp.

DR InterPro; IPR001229; Jaccalin_lectin.

DR Pfam; PF01419; Jaccalin.1.

SO SEQUENCE 217 AA; 2404 MW; FC01D338BC9A55D9 CRC64;

Query Match 17.7%; Score 165.5; DB 2; Length 217;

Best Local Similarity 30.8%; Pred. No. 1.4e-07;

Matches 52; Conservative 29; Mismatches 73; Indels 15; Gaps 6;

QY 7 MLTLTTLALGGPTW-AGKMYGPGGKYEFTTEDYDHEITGLRVSVGLL-LVKSQVQVLG 64

DB 1 MLTLTTLALASPTCRANVGNAGKFFVYQSGDQGLKGRIRLISVFNFKIGQLQFG 60

QY 65 DSWPVKLGALGNTQEVTLQGEYITTKVFVAFPLRGVWMTSKDRFFYFGKLDGQISS 124

DB 61 NNMTDVGSRSDNFDPLBEGEHVIVKESGAVICLSLFTFTNKGRAVTEGVRGR--- 117

QY 125 AYPQGEQ---QVLVGIYQYQL-LGKISIGPEW-----NYPLEBPTTEP 164

DB 118 -YFSDTGSDGHLTVVNGMHAPGLCVTGMGFKMEDNAKDLGPPEPVKEP 165

RESULT 12

SPBP_RAT STANDARD; PRT; 279 AA.

AC P08723;

DT 01-AUG-1988 (Rel. 08, Created)

DT 01-AUG-1988 (Rel. 08, Last sequence update)

DT 05-JUL-2004 (Rel. 44, Last annotation update)

DE Prostatic spermine-binding protein precursor (SBP).
GN Name=Sbp;
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10116;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=87137538; PubMed=3818623;
RA Chang C., Saltman A.G., Hlipacka R.A., Huang I.-Y., Liao S.;
RT "Prostatic spermine-binding protein. Cloning and nucleotide sequence
of cDNA, amino acid sequence, and androgenic control of mRNA level.",
J. Biol. Chem. 262:2826-2831(1987).
RL [2]
RP SEQUENCE, AND REVISIONS.
RX MEDLINE=89000602; PubMed=3166977;
RA Anderegg R.J., Carr S.A., Huang I.-Y., Hlipacka R.A., Chang C.,
Liao S.;
RT "Correction of the cDNA-derived protein sequence of prostatic spermine
binding protein: pivotal role of tandem mass spectrometry in sequence
analysis.",
Biochemistry 27:4214-4221(1988).
RL -1- FUNCTION: Spermine-binding protein is an androgen regulated
ventral prostate glycoprotein that binds various polyamines.
CC -1- TISSUE SPECIFICITY: Prostate.
CC -1- SIMILARITY: To mouse SBP.

CC This SWISS-PROT entry is copyright. It is produced through a collaboration
between the Swiss Institute of Bioinformatics and the EMBL outstation -
the European Bioinformatics Institute. There are no restrictions on its
use by non-profit institutions as long as its content is in no way
modified and this statement is not removed. Usage by and for commercial
entities requires a license agreement (See <http://www.isb-sib.ch/announce/>
or send an email to license@isb-sib.ch).

DR EMBL, J02675; AAA42113.1; ALT_SEQ.
DR PIR, A29561; A29561.
DR RGD, 3623; Sbp.
DR InterPro, IPR001229; Jacalin_lectin.
DR Pfam, PF01419; Jacalin; 1.
KW Direct protein sequencing; Glycoprotein; Pyrrolidone carboxylic acid;
KW Signal.
FT SIGNAL 1 17
FT CHAIN 18 279 prostatic spermine-binding protein.
FT MOD RES 18 18 Pyrrolidone carboxylic acid.
FT CARBOHYD 62 62 N-linked (GlcNAc...)
FT DOMAIN 154 279 Asp/Glu-rich (acidic).
SQ SEQUENCE 279 AA, 31080 MW, 3BBE01A02A517A65 CRC64;
Query Match 17.6%; Score 165; DB 1; Length 279;
Best Local Similarity 31.3%; Pred. No. 2e-07;
Matches 47; Conservative 30; Mismatches 69; Indels 4; Gaps 4;
QY 7 MLLLTALLAGGPTW-AGKMYGEGGKGYSTEDYHETGLRVSGLL-LVTSVQYKLG 64
DB 1 MLLLTALLAGGPTCAQNTILGNVGVGYFVAGEHEHGLRGIHFLVIVDLIKGIQIRFG 60
QY 65 DSDMDVKLGALGNTQOETLDPGEVITVFVAFQAFILGVMYMSKDYFFGKLDQGISS 124
DB 61 GMSNDVYGSRSLLKKEFLLEDGEHVTVOGSTRKCLTSLSTTNKGVVTFGVRG-LSF 119
QY 125 AYPQEGOVHVGIVGYQL-LGIKSIQFEW 153
DB 120 NESGSGSKYLVTVNGLVAPGLCLNGMFKW 149
RESULT 13
Q9CPP3 PRELIMINARY; PRT; 217 AA.
AC Q9CPP3
DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT 25-OCT-2004 (TrEMBLrel. 28, Last annotation update)

DE Mus musculus adult male tongue cDNA, RIKEN full-length enriched
DE library, clone:2310075A13 product:spermine binding protein, full-
DE insert sequence (Mus musculus adult male tongue cDNA, RIKEN full-
DE length enriched library, clone:2310024P22 product:spermine binding
DE protein, full insert sequence).
GN Name=Sbp;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RX STRAIN=C57BL/6J; TISSUE=Tongue;
RA MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
RA Carinci P., Hayaishizaki Y.;
RT "High-efficiency full-length cDNA cloning.",
Meth. Enzymol. 303:19-44(1999).
RL [2]
RP SEQUENCE FROM N.A.
RX STRAIN=C57BL/6J; TISSUE=Tongue;
RA MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RA RIKEN FANTOM Consortium;
RT "Functional annotation of a full-length mouse cDNA collection.",
Nature 409:685-690(2001).
RL [3]
RP SEQUENCE FROM N.A.
RX STRAIN=C57BL/6J; TISSUE=Tongue;
RA The FANTOM Consortium;
RT "Analysis of the mouse transcriptome based on functional annotation of
60,770 full-length cDNAs.",
Nature 420:563-573(2002).
RL [4]
RP SEQUENCE FROM N.A.
RX STRAIN=C57BL/6J; TISSUE=Tongue;
RA MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
RA Carinci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
RA Kono H., Okazaki Y., Muramatsu M., Hayaishizaki Y.;
RT "Normalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new genes.",
Genome Res. 10:1617-1630(2000).
RL [5]
RP SEQUENCE FROM N.A.
RX STRAIN=C57BL/6J; TISSUE=Tongue;
RA MEDLINE=20303913; PubMed=11076861; DOI=10.1101/gr.152600;
RA Shibata K., Itoh M., Aizawa K., Nagao S., Sasaki N., Carinci P.,
RA Kono H., Akiyama J., Nishi K., Katsunai T., Tachiro H., Itoh M.,
RA Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
RA Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
RA Fujiwaka S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
RA Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsura S., Kawai J.,
RA Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayaishizaki Y.;
RT "RIKEN integrated sequence analysis (RISA) system-384-format
sequencing pipeline with 384 multicapillary sequencer.",
Genome Res. 10:1757-1771(2000).
RL [6]
RP SEQUENCE FROM N.A.
RX STRAIN=C57BL/6J; TISSUE=Tongue;
RA Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
RA Atakawa T., Bono H., Carinci P., Fukuda S., Fukunishi Y., Furuno M.,
RA Hanaoka T., Hara A., Hayatsu N., Hiramoto K., Hirooka T., Horii P.,
RA Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
RA Kawai J., Kojima Y., Kono H., Konda M., Koya S., Kurihara C.,
RA Matsuyama T., Miyazaki A., Nishi K., Nomura K., Nunazaki R., Ohno M.,
RA Okazaki Y., Okido T., Owa C., Saio H., Saio C., Sakai C., Sakai K.,
RA Sano H., Sasaki D., Shibata K., Shibata Y., Shingawa A., Shiraki T.,
RA Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
RA Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
RA Muramatsu M., Hayaishizaki Y.;
RT Submitted (JUL-2000) to the EMBL/GenBank/DDbJ databases.
DR EMBL, AK010161; BAB26740.1; -;
DR EMBL, AK009501; BAB26327.1; -;
DR HSPF, P18674; 1JOT.


```

DR MGD; MGI:106021; Sbp.
DR InterPro: IPR001229; Jacalin_lectin.
DR Pfam: PF01419; Jacalin; 1.
SQ SEQUENCE 217 AA; 24046 MW; F0F1C3BBF9AABDC CRC64;

Query Match
Best Local Similarity 17.5%; Score 163.5; DB 2; Length 217;
Matches 52; Conservative 29; Mismatches 73; Indels 15; Gaps 6;

OY 7 MLLLTALLGPTW-AGKMTGPGGKYPSTEDYDHEITGLRVSGLL-LVKSVOYKLG 64
DB 1 MLLLTALLASPTCRQNVLGNAAGKRYFYOGSDQGLKMKRIFLSYFKFKFQQLQFG 60
OY 65 DSMVTKGALGNGQEVTLQGEYITKVFVAFQALRWVMTSKDRFYFGKLDGQISS 124
DB 61 NNMTDVYSRSDNFIDFLLEDGEHVKVGSADVLCISLFTTNKGRVATGVRGR--- 117
OY 125 AYPSEG---QVLVGYGYQL-LGKISGFEM-----NYPLEPTTEP 164
DB 118 -YFSDTGGSDKHLYTVNGMHAHGLCVTGMGRKMDNADLSPPEVKEP 165

RESULT 14
O63680 PRELIMINARY; PRT; 148 AA.
AC O63680:
DT 01-NOV-1996 (TREMBLrel. 01, Created)
DT 01-NOV-1996 (TREMBLrel. 01, Last sequence update)
DT 01-JUN-2003 (TREMBLrel. 24, Last annotation update)
DE ZG-16P.
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10116;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=Wistar; TISSUE=Pancreas;
RA Croushagen U., Voland P., Kern H.F.;
RL Submitted (MAR-1994) to the EMBL/Genbank/DBJ databases.
DR EMBL; Z30584; CAA83059.1; -.
DR PIR; S42924; S42924.
DR HSSP; P18670; 1M26.
DR InterPro: IPR001229; Jacalin_lectin.
DR Pfam; PF01419; Jacalin; 1.
SQ SEQUENCE 148 AA; 16127 MW; 0C5D5AF71ABD49E CRC64;

Query Match
Best Local Similarity 17.1%; Score 160; DB 2; Length 148;
Matches 46; Conservative 23; Mismatches 62; Indels 16; Gaps 4;

OY 7 MLLLTALLGPTWAGKM-----YGPGGKYPSTEDYDHEITGLRVSGLL 55
DB 1 MLLLTALLGPTWAGKM-----YGPGGKYPSTEDYDHEITGLRVSGLL 55
OY 56 VKSVQVQLGDSVDVTKLGLGNG--TQVTLQPGVITTVFAFAQALRWVMTSKDRYF 113
DB 61 IIGQVGRGVWS--DYGGNRRETEELFLHPSGVSIVQSKYYSVQLLFTVDKRYL 117
OY 114 YFGKLDGQISSAYPSPOGQVWGYGQ 140
DB 118 PFGKDSGTSFNAVPLHPTVLRFLISGR 144

RESULT 15
SPBP MOUSE STANDARD; PRT; 199 AA.
AC P15501;
DT 01-APR-1990 (Rel. 14, Created)
DT 01-APR-1990 (Rel. 14, Last sequence update)
DT 05-JUL-2004 (Rel. 44, Last annotation update)
DE Prostatic spermine-binding protein precursor (SBP) (Major prostatic
DE secretory glycoprotein) (P25).
GN Name=SBP;

```

```

OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Prostate;
RX MEDLINE=88040403; PubMed=3502715;
RA Mills J.S., Needham M., Parker M.G.;
RT "Androgen regulated expression of a spermine binding protein gene in
RL mouse ventral prostate."
Nucleic Acids Res. 15:7709-7724(1987).
[2]
RP SEQUENCE FROM N.A.
RC TISSUE=Testis;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Heien F.,
RA Diachenko L., Marusina K., Farmer A.A., Rubin G.W., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Ueclin T.B., Toshlyuk S., Carninci P., Prange C.,
RA Raba S.S., Loquellano N.A., Peters G.J., Abramson R.D., Muliyil S.J.,
RA Bogak S.A., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettelman M., Madan A., Rodriguez S., Sanchez A.,
RA Whitting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Buterfield Y.S.N., Krzywinski M.I., Skalska U., Smalhus D.E.,
RA Schnerch A., Schein J.B., Jones S.J.M., Matra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
CC -1- FUNCTION: This protein seems to be functional equivalent to rat
CC prostatic spermine-binding protein, which is involved in polyamine
CC binding.
CC -1- TISSUE SPECIFICITY: Prostate.
CC -1- INDUCTION: By androgens.
CC -1- SIMILARITY: To rat SBP.
CC
CC This SWISS-PROT entry is copyright. It is produced through a collaboration
CC between the Swiss Institute of Bioinformatics and the EMBL outstation -
CC the European Bioinformatics Institute. There are no restrictions on its
CC use by non-profit institutions as long as its content is in no way
CC modified and this statement is not removed. Usage by and for commercial
CC entities requires a license agreement (See http://www.ebi.ac.uk/announcements/
CC or send an email to license@ebi.ac.uk).
CC
DR EMBL; X06246; CAA29591.1; -.
DR EMBL; X06248; CAA29592.1; -.
DR EMBL; X06249; CAA29592.1; JOINED.
DR EMBL; X06250; CAA29592.1; JOINED.
DR EMBL; BC049605; AAH49605.1; -.
DR PIR; S01266; S01266.
DR HSSP; P18674; 1UOT.
DR MGD; MGI:106021; Sbp.
DR InterPro: IPR001229; Jacalin_lectin.
DR Pfam; PF01419; Jacalin; 1.
DR Glycoprotein; Signal.
FT SIGNAL 1 18
FT CHAIN 1 199 Prostatic spermine-binding protein.
FT CARBOHYD 62 62 N-linked (GlcNAc...) (Potential).
SQ SEQUENCE 199 AA; 21966 MW; 2DFD60803A8BDD CRC64;

Query Match
Best Local Similarity 17.1%; Score 160; DB 1; Length 199;
Matches 48; Conservative 26; Mismatches 69; Indels 10; Gaps 5;

OY 7 MLLLTALLGPTW-AGKMTGPGGKYPSTEDYDHEITGLRVSGLL-LVKSVOYKLG 64

```


Db 1 MLILLTLAFLASPTCRAQNVLGNAAGKYFYVGEDOQOLKMRIFLSVFEKIKFQLOFG 60
Qy 65 DSNVDVLGALGNTQEVTLQPGERYTKVFVAFQAFILRGVMTSKDRYFVEGKLDGQISS 124
Db 61 SNMTDYYGTRSDNPIFPLEDGEHVIVKVGSAVICLTSLTFTTKGRVATFVGVRGR--- 117
Qy 125 AYPSEGG--QVLVGIYGYQL-LGIKSIGFEW 153
Db 118 -YFSDTGGSDKHLVTVNGMHAPGLCVRGIGFKW 149

Search completed: May 9, 2005, 21:22:43
Job time : 182 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 9, 2005, 21:22:49 ; Search time 136 Seconds
(without alignments)
436.622 Million cell updates/sec

Title: US-10-054-976-2

Sequence: 1 MRRPEMLLITLALGPT.....EPTTPEVLLTYSANSPVGR 178

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1428581 seqs, 33359853 residues

Total number of hits satisfying chosen parameters: 1428581

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

1: /cgn2_6/ptodata/2/pubppaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/2/pubppaa/PTCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubppaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubppaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/2/pubppaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubppaa/PTCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/2/pubppaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubppaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubppaa/US09_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubppaa/US09_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubppaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubppaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubppaa/US10_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubppaa/US10_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubppaa/US10_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubppaa/US10_PUBCOMB.pep.*
17: /cgn2_6/ptodata/2/pubppaa/US10_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubppaa/US11_NEW_PUB.pep.*
19: /cgn2_6/ptodata/2/pubppaa/US60_NEW_PUB.pep.*
20: /cgn2_6/ptodata/2/pubppaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	936	100.0	178	US-10-054-976-2	Sequence 2, Appl
2	933	99.7	178	US-09-946-374-383	Sequence 383, App
3	933	99.7	178	US-09-833-245-1657	Sequence 1657, App
4	933	99.7	178	US-10-052-586-464	Sequence 464, App
5	933	99.7	178	US-10-174-590-464	Sequence 464, App
6	933	99.7	178	US-10-176-758-464	Sequence 464, App
7	933	99.7	178	US-10-175-737-464	Sequence 464, App
8	933	99.7	178	US-10-174-581-464	Sequence 464, App
9	933	99.7	178	US-10-176-483-464	Sequence 464, App
10	933	99.7	178	US-10-176-749-464	Sequence 464, App
11	933	99.7	178	US-10-176-914-464	Sequence 464, App
12	933	99.7	178	US-10-176-915-464	Sequence 464, App
13	933	99.7	178	US-10-173-706-464	Sequence 464, App

14	933	99.7	178	US-10-175-738-464	Sequence 464, App
15	933	99.7	178	US-10-175-752-464	Sequence 464, App
16	933	99.7	178	US-10-176-482-464	Sequence 464, App
17	933	99.7	178	US-10-176-757-464	Sequence 464, App
18	933	99.7	178	US-10-176-913-464	Sequence 464, App
19	933	99.7	178	US-10-180-552-464	Sequence 464, App
20	933	99.7	178	US-10-180-557-464	Sequence 464, App
21	933	99.7	178	US-10-173-700-464	Sequence 464, App
22	933	99.7	178	US-10-174-572-464	Sequence 464, App
23	933	99.7	178	US-10-174-579-464	Sequence 464, App
24	933	99.7	178	US-10-174-582-464	Sequence 464, App
25	933	99.7	178	US-10-174-588-464	Sequence 464, App
26	933	99.7	178	US-10-175-739-464	Sequence 464, App
27	933	99.7	178	US-10-175-740-464	Sequence 464, App
28	933	99.7	178	US-10-175-743-464	Sequence 464, App
29	933	99.7	178	US-10-176-488-464	Sequence 464, App
30	933	99.7	178	US-10-176-493-464	Sequence 464, App
31	933	99.7	178	US-10-176-747-464	Sequence 464, App
32	933	99.7	178	US-10-176-750-464	Sequence 464, App
33	933	99.7	178	US-10-176-985-464	Sequence 464, App
34	933	99.7	178	US-10-176-987-464	Sequence 464, App
35	933	99.7	178	US-10-176-992-464	Sequence 464, App
36	933	99.7	178	US-10-176-993-464	Sequence 464, App
37	933	99.7	178	US-10-184-658-464	Sequence 464, App
38	933	99.7	178	US-10-176-991-464	Sequence 464, App
39	933	99.7	178	US-10-227-884-208	Sequence 208, App
40	933	99.7	178	US-10-173-695-464	Sequence 464, App
41	933	99.7	178	US-10-173-697-464	Sequence 464, App
42	933	99.7	178	US-10-173-705-464	Sequence 464, App
43	933	99.7	178	US-10-174-576-464	Sequence 464, App
44	933	99.7	178	US-10-174-585-464	Sequence 464, App
45	933	99.7	178	US-10-174-586-464	Sequence 464, App

ALIGNMENTS

RESULT 1
US-10-054-976-2
Sequence 2, Application US/10054976
Publication No. US20030050443A1
GENERAL INFORMATION:
APPLICANT: Endress, Gregory A.
TITLE OF INVENTION: Prostate Specific Secreted Protein
FILE REFERENCE: P457
CURRENT APPLICATION NUMBER: US/10/054,976
CURRENT FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/280,839
PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-30
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/080,311
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/080,898
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
LENGTH: 178
TYPE: PRT
ORGANISM: Homo sapiens
US-10-054-976-2
Query Match 100.0%; Score 936; DB 14; Length 178;
Best Local Similarity 100.0%; Pred. No. 3.5e-96;
Matches 178; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRPEMLLITLALGPTWAGKMGKPGGKFFSTEDYDHTITGLRVSGLLVKSVQ 60
DB 1 MRRPEMLLITLALGPTWAGKMGKPGGKFFSTEDYDHTITGLRVSGLLVKSVQ 60
QY VKLGDSDVYKGLAGNTQEVTLQPEYITKTVVAQAFRGVWMTSKDORYYFGKLDG 120
DB VKLGDSDVYKGLAGNTQEVTLQPEYITKTVVAQAFRGVWMTSKDORYYFGKLDG 120

PRIOR FILING DATE: 1998-09-29
PRIOR APPLICATION NUMBER: 60/102330
PRIOR FILING DATE: 1998-09-29
PRIOR APPLICATION NUMBER: 60/102331
PRIOR FILING DATE: 1998-09-29
PRIOR APPLICATION NUMBER: 60/102484
PRIOR FILING DATE: 1998-09-30
PRIOR APPLICATION NUMBER: 60/102487
PRIOR FILING DATE: 1998-09-30
PRIOR APPLICATION NUMBER: 60/102570
PRIOR FILING DATE: 1998-09-30
PRIOR APPLICATION NUMBER: 60/102571
PRIOR FILING DATE: 1998-09-30
PRIOR APPLICATION NUMBER: 60/102684
PRIOR FILING DATE: 1998-10-01
PRIOR APPLICATION NUMBER: 60/102687
PRIOR FILING DATE: 1998-10-01
PRIOR APPLICATION NUMBER: 60/102965
PRIOR FILING DATE: 1998-10-02
PRIOR APPLICATION NUMBER: 60/103258
PRIOR FILING DATE: 1998-10-06
PRIOR APPLICATION NUMBER: 60/103314
PRIOR FILING DATE: 1998-10-07
PRIOR APPLICATION NUMBER: 60/103315
PRIOR FILING DATE: 1998-10-07
PRIOR APPLICATION NUMBER: 60/103328
PRIOR FILING DATE: 1998-10-07
PRIOR APPLICATION NUMBER: 60/103395
PRIOR FILING DATE: 1998-10-07
PRIOR APPLICATION NUMBER: 60/103396
PRIOR FILING DATE: 1998-10-07
PRIOR APPLICATION NUMBER: 60/103401
PRIOR FILING DATE: 1998-10-07
PRIOR APPLICATION NUMBER: 60/103449
PRIOR FILING DATE: 1998-10-06
PRIOR APPLICATION NUMBER: 60/103633
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/103678
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/103679
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/103711
PRIOR FILING DATE: 1998-10-08
PRIOR APPLICATION NUMBER: 60/104257
PRIOR FILING DATE: 1998-10-14
PRIOR APPLICATION NUMBER: 60/104987
PRIOR FILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: 60/105000
PRIOR FILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: 60/105002
PRIOR FILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: 60/105104
PRIOR FILING DATE: 1998-10-21
PRIOR APPLICATION NUMBER: 60/105169
PRIOR FILING DATE: 1998-10-22
PRIOR APPLICATION NUMBER: 60/105266
PRIOR FILING DATE: 1998-10-22
PRIOR APPLICATION NUMBER: 60/105693
PRIOR FILING DATE: 1998-10-26
PRIOR APPLICATION NUMBER: 60/105694
PRIOR FILING DATE: 1998-10-26
PRIOR APPLICATION NUMBER: 60/105807

Query Match 99.7%; Score 933; DB 10; Length 178;
Best Local Similarity 99.4%; Pred. No. 7.6e-96;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MHRPEAMLLLTLLALGGPTWAGMTGPGGKGFSTTDDHETITGLRVSVGLLVKSQ 60
DB 1 MHRPEAMLLLTLLALGGPTWAGMTGPGGKGFSTTDDHETITGLRVSVGLLVKSQ 60
QY 61 VKLGSMDVVLGALGNTQEVTLQPEYITTKVFVAFOAFLRGVMTSKDRYFFGKLDG 120

DB 61 VKLGSMDVVLGALGNTQEVTLQPEYITTKVFVAFOAFLRGVMTSKDRYFFGKLDG 120
QY 121 QISSAYPSQEGVVLVGIYGYQLLGKISGFENNYPLEEPTTTPPNULTYSANSPVGR 178
DB 121 QISSAYPSQEGVVLVGIYGYQLLGKISGFENNYPLEEPTTTPPNULTYSANSPVGR 178

RESULT 3
US-09-833-245-1657
Sequence 1657, Application US/09833245
Publication No. US20040010134A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Albumin Fusion Proteins
FILE REFERENCE: PF546PCT
CURRENT APPLICATION NUMBER: US/09/833,245
CURRENT FILING DATE: 2001-04-12
PRIOR APPLICATION NUMBER: 60/229,358
PRIOR FILING DATE: 2000-04-12
PRIOR APPLICATION NUMBER: 60/256,931
PRIOR FILING DATE: 2000-12-21
PRIOR APPLICATION NUMBER: 60/199,384
PRIOR FILING DATE: 2000-04-25
NUMBER OF SEQ ID NOS: 2267
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1657
LENGTH: 178
TYPE: PRT
ORGANISM: Homo sapiens
US-09-833-245-1657

Query Match 99.7%; Score 933; DB 11; Length 178;
Best Local Similarity 99.4%; Pred. No. 7.6e-96;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MHRPEAMLLLTLLALGGPTWAGMTGPGGKGFSTTDDHETITGLRVSVGLLVKSQ 60
DB 1 MHRPEAMLLLTLLALGGPTWAGMTGPGGKGFSTTDDHETITGLRVSVGLLVKSQ 60
QY 61 VKLGSMDVVLGALGNTQEVTLQPEYITTKVFVAFOAFLRGVMTSKDRYFFGKLDG 120
DB 61 VKLGSMDVVLGALGNTQEVTLQPEYITTKVFVAFOAFLRGVMTSKDRYFFGKLDG 120
QY 121 QISSAYPSQEGVVLVGIYGYQLLGKISGFENNYPLEEPTTTPPNULTYSANSPVGR 178
DB 121 QISSAYPSQEGVVLVGIYGYQLLGKISGFENNYPLEEPTTTPPNULTYSANSPVGR 178
RESULT 4
US-10-052-586-464
Sequence 464, Application US/10052586
Publication No. US20020127584A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C1
CURRENT APPLICATION NUMBER: US/10/052,586
CURRENT FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18

1	PRIOR APPLICATION NUMBER: 1997-10-17	60/062250
2	PRIOR FILING DATE: 1997-10-17	
3	PRIOR APPLICATION NUMBER: 60/063120	
4	PRIOR FILING DATE: 1997-10-24	
5	PRIOR APPLICATION NUMBER: 60/063121	
6	PRIOR FILING DATE: 1997-10-24	
7	PRIOR APPLICATION NUMBER: 60/063486	
8	PRIOR FILING DATE: 1997-10-21	
9	PRIOR APPLICATION NUMBER: 60/063540	
10	PRIOR FILING DATE: 1997-10-28	
11	PRIOR APPLICATION NUMBER: 60/063541	
12	PRIOR FILING DATE: 1997-10-28	
13	PRIOR APPLICATION NUMBER: 60/063544	
14	PRIOR FILING DATE: 1997-10-28	
15	PRIOR APPLICATION NUMBER: 60/063564	
16	PRIOR FILING DATE: 1997-10-28	
17	PRIOR APPLICATION NUMBER: 60/063734	
18	PRIOR FILING DATE: 1997-10-29	
19	PRIOR APPLICATION NUMBER: 60/063870	
20	PRIOR FILING DATE: 1997-10-31	
21	PRIOR APPLICATION NUMBER: 60/064103	
22	PRIOR FILING DATE: 1997-10-31	
23	PRIOR APPLICATION NUMBER: 60/065311	
24	PRIOR FILING DATE: 1997-11-13	
25	PRIOR APPLICATION NUMBER: 60/066120	
26	PRIOR FILING DATE: 1997-11-21	
27	PRIOR APPLICATION NUMBER: 60/066466	
28	PRIOR FILING DATE: 1997-11-24	
29	PRIOR APPLICATION NUMBER: 60/066772	
30	PRIOR FILING DATE: 1997-11-24	
31	PRIOR APPLICATION NUMBER: 60/069335	
32	PRIOR FILING DATE: 1997-12-11	
33	PRIOR APPLICATION NUMBER: 60/069425	
34	PRIOR FILING DATE: 1997-12-12	
35	PRIOR APPLICATION NUMBER: 60/069870	
36	PRIOR FILING DATE: 1997-12-17	
37	PRIOR APPLICATION NUMBER: 60/068017	
38	PRIOR FILING DATE: 1997-12-18	
39	PRIOR APPLICATION NUMBER: 60/077450	
40	PRIOR FILING DATE: 1998-03-10	
41	PRIOR APPLICATION NUMBER: 60/077652	
42	PRIOR FILING DATE: 1998-03-11	
43	PRIOR APPLICATION NUMBER: 60/077649	
44	PRIOR FILING DATE: 1998-03-11	
45	PRIOR APPLICATION NUMBER: 60/078866	
46	PRIOR FILING DATE: 1998-03-20	
47	PRIOR APPLICATION NUMBER: 60/078939	
48	PRIOR FILING DATE: 1998-03-20	
49	PRIOR APPLICATION NUMBER: 60/079664	
50	PRIOR FILING DATE: 1998-03-27	
51	PRIOR APPLICATION NUMBER: 60/079786	
52	PRIOR FILING DATE: 1998-03-27	
53	PRIOR APPLICATION NUMBER: 60/080107	
54	PRIOR FILING DATE: 1998-03-31	
55	PRIOR APPLICATION NUMBER: 60/080194	
56	PRIOR FILING DATE: 1998-03-31	
57	PRIOR APPLICATION NUMBER: 60/080327	
58	PRIOR FILING DATE: 1998-04-01	
59	PRIOR APPLICATION NUMBER: 60/080333	
60	PRIOR FILING DATE: 1998-04-01	
61	PRIOR APPLICATION NUMBER: 60/081049	
62	PRIOR FILING DATE: 1998-04-08	
63	PRIOR APPLICATION NUMBER: 60/081070	
64	PRIOR FILING DATE: 1998-04-08	
65	PRIOR APPLICATION NUMBER: 60/081195	
66	PRIOR FILING DATE: 1998-04-09	
67	PRIOR APPLICATION NUMBER: 60/081838	
68	PRIOR FILING DATE: 1998-04-15	
69	PRIOR APPLICATION NUMBER: 60/082568	
70	PRIOR FILING DATE: 1998-04-21	
71	PRIOR APPLICATION NUMBER: 60/082569	
72	PRIOR FILING DATE: 1998-04-21	
73	PRIOR APPLICATION NUMBER: 60/082704	

1	PRIOR FILING DATE: 1998-04-22
2	PRIOR APPLICATION NUMBER: 60/082797
3	PRIOR FILING DATE: 1998-04-22
4	PRIOR APPLICATION NUMBER: 60/083322
5	PRIOR FILING DATE: 1998-04-28
6	PRIOR APPLICATION NUMBER: 60/083495
7	PRIOR FILING DATE: 1998-04-29
8	PRIOR APPLICATION NUMBER: 60/083496
9	PRIOR FILING DATE: 1998-04-29
10	PRIOR APPLICATION NUMBER: 60/083459
11	PRIOR FILING DATE: 1998-04-29
12	PRIOR APPLICATION NUMBER: 60/083559
13	PRIOR FILING DATE: 1998-04-29
14	PRIOR APPLICATION NUMBER: 60/084366
15	PRIOR FILING DATE: 1998-05-05
16	PRIOR APPLICATION NUMBER: 60/084414
17	PRIOR FILING DATE: 1998-05-06
18	PRIOR APPLICATION NUMBER: 60/084639
19	PRIOR FILING DATE: 1998-05-07
20	PRIOR APPLICATION NUMBER: 60/084640
21	PRIOR FILING DATE: 1998-05-07
22	PRIOR APPLICATION NUMBER: 60/084643
23	PRIOR FILING DATE: 1998-05-07
24	PRIOR APPLICATION NUMBER: 60/085573
25	PRIOR FILING DATE: 1998-05-15
26	PRIOR APPLICATION NUMBER: 60/085579
27	PRIOR FILING DATE: 1998-05-15
28	PRIOR APPLICATION NUMBER: 60/085580
29	PRIOR FILING DATE: 1998-05-15
30	PRIOR APPLICATION NUMBER: 60/085582
31	PRIOR FILING DATE: 1998-05-15
32	PRIOR APPLICATION NUMBER: 60/085700
33	PRIOR FILING DATE: 1998-05-15
34	PRIOR APPLICATION NUMBER: 60/086023
35	PRIOR FILING DATE: 1998-05-18
36	PRIOR APPLICATION NUMBER: 60/086392
37	PRIOR FILING DATE: 1998-05-22
38	PRIOR APPLICATION NUMBER: 60/086466
39	PRIOR FILING DATE: 1998-05-22
40	PRIOR APPLICATION NUMBER: 60/087098
41	PRIOR FILING DATE: 1998-05-28
42	PRIOR APPLICATION NUMBER: 60/087208
43	PRIOR FILING DATE: 1998-05-28
44	PRIOR APPLICATION NUMBER: 60/087609
45	PRIOR FILING DATE: 1998-06-02
46	PRIOR APPLICATION NUMBER: 60/087759
47	PRIOR FILING DATE: 1998-06-02
48	PRIOR APPLICATION NUMBER: 60/087827
49	PRIOR FILING DATE: 1998-06-03
50	PRIOR APPLICATION NUMBER: 60/088025
51	PRIOR FILING DATE: 1998-06-04
52	PRIOR APPLICATION NUMBER: 60/088028
53	PRIOR FILING DATE: 1998-06-04
54	PRIOR APPLICATION NUMBER: 60/088029
55	PRIOR FILING DATE: 1998-06-04
56	PRIOR APPLICATION NUMBER: 60/088033
57	PRIOR FILING DATE: 1998-06-04
58	PRIOR APPLICATION NUMBER: 60/088167
59	PRIOR FILING DATE: 1998-06-05
60	PRIOR APPLICATION NUMBER: 60/088202
61	PRIOR FILING DATE: 1998-06-05
62	PRIOR APPLICATION NUMBER: 60/088212
63	PRIOR FILING DATE: 1998-06-05
64	PRIOR APPLICATION NUMBER: 60/088217
65	PRIOR FILING DATE: 1998-06-05
66	PRIOR APPLICATION NUMBER: 60/088326
67	PRIOR FILING DATE: 1998-06-04
68	PRIOR APPLICATION NUMBER: 60/088655
69	PRIOR FILING DATE: 1998-06-09
70	PRIOR APPLICATION NUMBER: 60/088722
71	PRIOR FILING DATE: 1998-06-10
72	PRIOR APPLICATION NUMBER: 60/088738
73	PRIOR FILING DATE: 1998-06-10

```

; PRIOR APPLICATION NUMBER: 60/088740
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088811
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088825
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088863
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089090
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089908

```

```

Query Match          99.7%; Score 933; DB 13; Length 178;
Best Local Similarity 99.4%; Pred. No. 7.6e-96;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MRRPEAMLLLTLLALGGPTWAGKMGPGGKXFTSTEDYDHEITGLRVSVGLLVKVSQ 60
DB 1 MRRPEAMLLLTLLALGGPTWAGKMGPGGKXFTSTEDYDHEITGLRVSVGLLVKVSQ 60
QY 61 VKLGDSDWVYKLGALGNTQEVTLQPEYITTKVFAQAFLRGVWMTSKDRYFFGKLDG 120
DB 61 VKLGDSDWVYKLGALGNTQEVTLQPEYITTKVFAQAFLRGVWMTSKDRYFFGKLDG 120
QY 121 QISSAYPSQEGQVLYGIGYQYLLGKISGFENNYPLEBPTTBPVNLITYSANSPVGR 178
DB 121 QISSAYPSQEGQVLYGIGYQYLLGKISGFENNYPLEBPTTBPVNLITYSANSPVGR 178

```

```

RESULT 5
US-10-174-590-464
; Sequence 464, Application US/10174590
; Publication No. US2003000835A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; PRIOR FILING DATE: 2002-06-18
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 464

```

```

; LENGTH: 178
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-590-464

```

```

Query Match          99.7%; Score 933; DB 14; Length 178;
Best Local Similarity 99.4%; Pred. No. 7.6e-96;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MRRPEAMLLLTLLALGGPTWAGKMGPGGKXFTSTEDYDHEITGLRVSVGLLVKVSQ 60
DB 1 MRRPEAMLLLTLLALGGPTWAGKMGPGGKXFTSTEDYDHEITGLRVSVGLLVKVSQ 60
QY 61 VKLGDSDWVYKLGALGNTQEVTLQPEYITTKVFAQAFLRGVWMTSKDRYFFGKLDG 120
DB 61 VKLGDSDWVYKLGALGNTQEVTLQPEYITTKVFAQAFLRGVWMTSKDRYFFGKLDG 120
QY 121 QISSAYPSQEGQVLYGIGYQYLLGKISGFENNYPLEBPTTBPVNLITYSANSPVGR 178
DB 121 QISSAYPSQEGQVLYGIGYQYLLGKISGFENNYPLEBPTTBPVNLITYSANSPVGR 178

```

```

RESULT 6
US-10-176-758-464
; Sequence 464, Application US/10176758
; Publication No. US2003000835A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; PRIOR FILING DATE: 2002-06-21
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 464
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-758-464

```

```

Query Match          99.7%; Score 933; DB 14; Length 178;
Best Local Similarity 99.4%; Pred. No. 7.6e-96;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 MRRPEAMLLLTLLALGGPTWAGKMGPGGKXFTSTEDYDHEITGLRVSVGLLVKVSQ 60
DB 1 MRRPEAMLLLTLLALGGPTWAGKMGPGGKXFTSTEDYDHEITGLRVSVGLLVKVSQ 60
QY 61 VKLGDSDWVYKLGALGNTQEVTLQPEYITTKVFAQAFLRGVWMTSKDRYFFGKLDG 120
DB 61 VKLGDSDWVYKLGALGNTQEVTLQPEYITTKVFAQAFLRGVWMTSKDRYFFGKLDG 120
QY 121 QISSAYPSQEGQVLYGIGYQYLLGKISGFENNYPLEBPTTBPVNLITYSANSPVGR 178
DB 121 QISSAYPSQEGQVLYGIGYQYLLGKISGFENNYPLEBPTTBPVNLITYSANSPVGR 178

```

```

RESULT 7
US-10-175-737-464
; Sequence 464, Application US/10175737
; Publication No. US20030003153A1
; GENERAL INFORMATION:

```

PRIOR FILING DATE:	1997-10-26
PRIOR APPLICATION NUMBER:	60/063486
PRIOR FILING DATE:	1997-10-21
PRIOR APPLICATION NUMBER:	60/063540
PRIOR FILING DATE:	1997-10-28
PRIOR APPLICATION NUMBER:	60/063541
PRIOR FILING DATE:	1997-10-28
PRIOR APPLICATION NUMBER:	60/063544
PRIOR FILING DATE:	1997-10-28
PRIOR APPLICATION NUMBER:	60/063544
PRIOR FILING DATE:	1997-10-28
PRIOR APPLICATION NUMBER:	60/063544
PRIOR FILING DATE:	1997-10-28
PRIOR APPLICATION NUMBER:	60/063544
PRIOR FILING DATE:	1997-10-29
PRIOR APPLICATION NUMBER:	60/063870
PRIOR FILING DATE:	1997-10-31
PRIOR APPLICATION NUMBER:	60/064403
PRIOR FILING DATE:	1997-10-31
PRIOR APPLICATION NUMBER:	60/065311
PRIOR FILING DATE:	1997-11-13
PRIOR APPLICATION NUMBER:	60/066120
PRIOR FILING DATE:	1997-11-21
PRIOR APPLICATION NUMBER:	60/066466
PRIOR FILING DATE:	1997-11-24
PRIOR APPLICATION NUMBER:	60/066772
PRIOR FILING DATE:	1997-11-24
PRIOR APPLICATION NUMBER:	60/069335
PRIOR FILING DATE:	1997-12-11
PRIOR APPLICATION NUMBER:	60/069425
PRIOR FILING DATE:	1997-12-12
PRIOR APPLICATION NUMBER:	60/069870
PRIOR FILING DATE:	1997-12-17
PRIOR APPLICATION NUMBER:	60/068017
PRIOR FILING DATE:	1997-12-18
PRIOR APPLICATION NUMBER:	60/077450
PRIOR FILING DATE:	1998-03-10
PRIOR APPLICATION NUMBER:	60/077632
PRIOR FILING DATE:	1998-03-11
PRIOR APPLICATION NUMBER:	60/077649
PRIOR FILING DATE:	1998-03-11
PRIOR APPLICATION NUMBER:	60/078866
PRIOR FILING DATE:	1998-03-20
PRIOR APPLICATION NUMBER:	60/078939
PRIOR FILING DATE:	1998-03-20
PRIOR APPLICATION NUMBER:	60/079664
PRIOR FILING DATE:	1998-03-27
PRIOR APPLICATION NUMBER:	60/079786
PRIOR FILING DATE:	1998-03-27
PRIOR APPLICATION NUMBER:	60/080107
PRIOR FILING DATE:	1998-03-31
PRIOR APPLICATION NUMBER:	60/080194
PRIOR FILING DATE:	1998-03-31
PRIOR APPLICATION NUMBER:	60/080327
PRIOR FILING DATE:	1998-04-01
PRIOR APPLICATION NUMBER:	60/080333
PRIOR FILING DATE:	1998-04-01
PRIOR APPLICATION NUMBER:	60/081195
PRIOR FILING DATE:	1998-04-01
PRIOR APPLICATION NUMBER:	60/081499
PRIOR FILING DATE:	1998-04-08
PRIOR APPLICATION NUMBER:	60/081070
PRIOR FILING DATE:	1998-04-08
PRIOR APPLICATION NUMBER:	60/082568
PRIOR FILING DATE:	1998-04-21
PRIOR APPLICATION NUMBER:	60/082568
PRIOR FILING DATE:	1998-04-21
PRIOR APPLICATION NUMBER:	60/082704
PRIOR FILING DATE:	1998-04-22
PRIOR APPLICATION NUMBER:	60/082797
PRIOR FILING DATE:	1998-04-22
PRIOR APPLICATION NUMBER:	60/083322
PRIOR FILING DATE:	1998-04-26
PRIOR APPLICATION NUMBER:	60/083322

PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/086023
PRIOR FILING DATE: 1998-05-18
PRIOR APPLICATION NUMBER: 60/086392
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/086486
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/087098
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087208
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088722
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088740
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088811
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824

PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088825
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088863
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089090
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653

Query Match 99.7%; Score 933; DB 14; Length 178;
Best Local Similarity 99.4%; Pred. No. 7.6e-96;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRPEAMLLTLTALGGPTWAGMTGGGKFTSTEDYDHEITGLRVSGLLVSVQ 60
DB 1 MRPEAMLLTLTALGGPTWAGMTGGGKFTSTEDYDHEITGLRVSGLLVSVQ 60
QY 61 VKLGSDVVDVGLGAGNTQEVTLQPGEXITKVVAFQAFRLGVVMTSKDRYFFGLDQ 120
DB 61 VKLGSDVVDVGLGAGNTQEVTLQPGEXITKVVAFQAFRLGVVMTSKDRYFFGLDQ 120
QY 121 QISSAYPSQSGOVLVNGIYGYQLGIKISGFENNYPLEEPTTTPPNVLTYSANSPVR 178
DB 121 QISSAYPSQSGOVLVNGIYGYQLGIKISGFENNYPLEEPTTTPPNVLTYSANSPVR 178

RESULT 9

US-10-176-483-464
; Sequence 464, Application US/10176483
; Publication No. US20030017541A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C68
; CURRENT APPLICATION NUMBER: US/10/176,483
; PRIOR APPLICATION REMOVED - See File Wrapper or Paim
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 464
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-483-464

Query Match 99.7%; Score 933; DB 14; Length 178;
Best Local Similarity 99.4%; Pred. No. 7.6e-96;

```
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRPEAMLLLTALIGPTWAGKMGPGGKYSTTDEYDHEITGLRVSGLLVKSVQ 60
  |||||
Db 1 MRPEAMLLLTALIGPTWAGKMGPGGKYSTTDEYDHEITGLRVSGLLVKSVQ 60
QY 61 VVLGSDWVKLGALGNTQEVTLQPGEYITKVFVAFQALRGVWYTSKDRYFYFGKLDG 120
  |||||
Db 61 VVLGSDWVKLGALGNTQEVTLQPGEYITKVFVAFQALRGVWYTSKDRYFYFGKLDG 120
QY 121 QISSAYPSQEGVVLGIVGYQLGKISIGFEMNYPLEBPTTEPPVNLITYSANSPPVGR 178
  |||||
Db 121 QISSAYPSQEGVVLGIVGYQLGKISIGFEMNYPLEBPTTEPPVNLITYSANSPPVGR 178

RESULT 10
US-10-176-749-464
; Sequence 464, Application US/10176749
; Publication No. US20030017542A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C76
; CURRENT APPLICATION NUMBER: US/10/176,749
; PRIOR FILING DATE: 2002-06-20
; PRIOR APPLICATION removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 464
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-749-464

Query Match 99.7%; Score 933; DB 14; Length 178;
Best Local Similarity 99.4%; Pred. No. 7.6e-96;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRPEAMLLLTALIGPTWAGKMGPGGKYSTTDEYDHEITGLRVSGLLVKSVQ 60
  |||||
Db 1 MRPEAMLLLTALIGPTWAGKMGPGGKYSTTDEYDHEITGLRVSGLLVKSVQ 60
QY 61 VVLGSDWVKLGALGNTQEVTLQPGEYITKVFVAFQALRGVWYTSKDRYFYFGKLDG 120
  |||||
Db 61 VVLGSDWVKLGALGNTQEVTLQPGEYITKVFVAFQALRGVWYTSKDRYFYFGKLDG 120
QY 121 QISSAYPSQEGVVLGIVGYQLGKISIGFEMNYPLEBPTTEPPVNLITYSANSPPVGR 178
  |||||
Db 121 QISSAYPSQEGVVLGIVGYQLGKISIGFEMNYPLEBPTTEPPVNLITYSANSPPVGR 178

RESULT 11
US-10-176-914-464
; Sequence 464, Application US/10176914
; Publication No. US20030017543A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
US-10-176-914-464
```

```
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C83
; CURRENT APPLICATION NUMBER: US/10/176,914
; PRIOR FILING DATE: 2002-06-20
; PRIOR APPLICATION removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 464
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-914-464

Query Match 99.7%; Score 933; DB 14; Length 178;
Best Local Similarity 99.4%; Pred. No. 7.6e-96;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRPEAMLLLTALIGPTWAGKMGPGGKYSTTDEYDHEITGLRVSGLLVKSVQ 60
  |||||
Db 1 MRPEAMLLLTALIGPTWAGKMGPGGKYSTTDEYDHEITGLRVSGLLVKSVQ 60
QY 61 VVLGSDWVKLGALGNTQEVTLQPGEYITKVFVAFQALRGVWYTSKDRYFYFGKLDG 120
  |||||
Db 61 VVLGSDWVKLGALGNTQEVTLQPGEYITKVFVAFQALRGVWYTSKDRYFYFGKLDG 120
QY 121 QISSAYPSQEGVVLGIVGYQLGKISIGFEMNYPLEBPTTEPPVNLITYSANSPPVGR 178
  |||||
Db 121 QISSAYPSQEGVVLGIVGYQLGKISIGFEMNYPLEBPTTEPPVNLITYSANSPPVGR 178

RESULT 12
US-10-176-915-464
; Sequence 464, Application US/10176915
; Publication No. US20030017544A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Wood, William I.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C110
; CURRENT APPLICATION NUMBER: US/10/176,915
; PRIOR FILING DATE: 2002-06-21
; PRIOR APPLICATION removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 464
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-915-464

Query Match 99.7%; Score 933; DB 14; Length 178;
Best Local Similarity 99.4%; Pred. No. 7.6e-96;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRPEAMLLLTALIGPTWAGKMGPGGKYSTTDEYDHEITGLRVSGLLVKSVQ 60
  |||||
Db 1 MRPEAMLLLTALIGPTWAGKMGPGGKYSTTDEYDHEITGLRVSGLLVKSVQ 60
QY 61 VVLGSDWVKLGALGNTQEVTLQPGEYITKVFVAFQALRGVWYTSKDRYFYFGKLDG 120
  |||||
Db 61 VVLGSDWVKLGALGNTQEVTLQPGEYITKVFVAFQALRGVWYTSKDRYFYFGKLDG 120
```

Db 61 VKLGSDMDVKALGAGNTQEVTLQPGSEYITKVFVAFOAFIRGVMTSKDRYFPGKLDG 120
QY 121 QISSAYPSQGOVLVGIYGYOLLGKISIGFEMNYPLEBPTTTPVNLTYSANSPPVGR 178
Db 121 QISSAYPSQGOVLVGIYGYOLLGKISIGFEMNYPLEBPTTTPVNLTYSANSPPVGR 178

RESULT 13
US-10-173-706-464

; Sequence 464, Application US/10173706
; Publication No. US20030022293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C7
; CURRENT APPLICATION NUMBER: US/10/173.706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 464
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-706-464

Query Match 99.7%; Score 933; DB 14; Length 178;
Best Local Similarity 99.4%; Pred. No. 7.6e-96;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRPEAMLLLTLLTALGPGTWMAGKMGPGGKFFSTTDDHETITGLRVSVGLLVKSVQ 60
Db 1 MRRPEAMLLLTLLTALGPGTWMAGKMGPGGKFFSTTDDHETITGLRVSVGLLVKSVQ 60
QY 61 VKLGSDMDVKALGAGNTQEVTLQPGSEYITKVFVAFOAFIRGVMTSKDRYFPGKLDG 120
Db 61 VKLGSDMDVKALGAGNTQEVTLQPGSEYITKVFVAFOAFIRGVMTSKDRYFPGKLDG 120
QY 121 QISSAYPSQGOVLVGIYGYOLLGKISIGFEMNYPLEBPTTTPVNLTYSANSPPVGR 178
Db 121 QISSAYPSQGOVLVGIYGYOLLGKISIGFEMNYPLEBPTTTPVNLTYSANSPPVGR 178

RESULT 14
US-10-175-738-464

; Sequence 464, Application US/10175738
; Publication No. US20030022294A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175.738

; CURRENT FILING DATE: 2002-06-19
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 464
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-738-464

Query Match 99.7%; Score 933; DB 14; Length 178;
Best Local Similarity 99.4%; Pred. No. 7.6e-96;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRPEAMLLLTLLTALGPGTWMAGKMGPGGKFFSTTDDHETITGLRVSVGLLVKSVQ 60
Db 1 MRRPEAMLLLTLLTALGPGTWMAGKMGPGGKFFSTTDDHETITGLRVSVGLLVKSVQ 60
QY 61 VKLGSDMDVKALGAGNTQEVTLQPGSEYITKVFVAFOAFIRGVMTSKDRYFPGKLDG 120
Db 61 VKLGSDMDVKALGAGNTQEVTLQPGSEYITKVFVAFOAFIRGVMTSKDRYFPGKLDG 120
QY 121 QISSAYPSQGOVLVGIYGYOLLGKISIGFEMNYPLEBPTTTPVNLTYSANSPPVGR 178
Db 121 QISSAYPSQGOVLVGIYGYOLLGKISIGFEMNYPLEBPTTTPVNLTYSANSPPVGR 178

RESULT 15
US-10-175-752-464

; Sequence 464, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175.752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 464
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-752-464

Query Match 99.7%; Score 933; DB 14; Length 178;
Best Local Similarity 99.4%; Pred. No. 7.6e-96;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRPEAMLLLTLLTALGPGTWMAGKMGPGGKFFSTTDDHETITGLRVSVGLLVKSVQ 60
Db 1 MRRPEAMLLLTLLTALGPGTWMAGKMGPGGKFFSTTDDHETITGLRVSVGLLVKSVQ 60
QY 61 VKLGSDMDVKALGAGNTQEVTLQPGSEYITKVFVAFOAFIRGVMTSKDRYFPGKLDG 120
Db 61 VKLGSDMDVKALGAGNTQEVTLQPGSEYITKVFVAFOAFIRGVMTSKDRYFPGKLDG 120
QY 121 QISSAYPSQGOVLVGIYGYOLLGKISIGFEMNYPLEBPTTTPVNLTYSANSPPVGR 178
Db 121 QISSAYPSQGOVLVGIYGYOLLGKISIGFEMNYPLEBPTTTPVNLTYSANSPPVGR 178

Search completed: May 9, 2005, 21:35:35

Job time : 141 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 9, 2005, 21:18:29 ; Search time 46 Seconds
(without alignments)
288.859 Million cell updates/sec

Title: US-10-054-976-2

Perfect score: 936
Sequence: 1 MHRPEMLLTLTALLGGPT.....EPTTEPVNLTYSANSPVGR 178

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	936	100.0	178	3	US-09-280-839-2
2	933	99.7	178	3	US-09-081-180-2
3	933	99.7	178	3	US-09-040-786-2
4	929	99.3	178	3	US-09-247-155-85
5	199	21.3	163	1	US-08-469-667-11
6	199	21.3	163	1	US-09-224-110-11
7	199	21.3	163	4	US-09-988-392A-11
8	199	21.3	163	5	PCT-US95-07289-11
9	192.5	20.6	166	3	US-09-081-180-4
10	192.5	20.6	166	3	US-09-040-786-4
11	183.5	19.6	159	3	US-09-280-839-3
12	160	17.1	199	3	US-09-081-180-3
13	160	17.1	199	3	US-09-040-786-3
14	122.5	13.1	170	3	US-09-081-180-5
15	122.5	13.1	170	3	US-09-040-786-5
16	87	9.3	349	4	US-09-248-796A-17795
17	80.5	8.6	878	2	US-08-708-541A-26
18	80.5	8.6	878	4	US-09-147-771-26
19	79.5	8.5	208	4	US-09-252-991A-19606
20	79	8.4	15	3	US-09-081-180-6
21	79	8.4	15	3	US-09-040-786-6
22	79	8.4	314	4	US-09-107-532A-6547
23	78.5	8.4	279	3	US-09-134-001C-4900
24	78.5	8.4	451	4	US-09-949-016-7901
25	77	8.2	462	3	US-09-378-088A-82
26	77	8.2	462	4	US-09-643-596B-82
27	76.5	8.2	536	4	US-09-328-352-4689

28	76.5	8.2	752	4	US-09-543-681A-4518	Sequence 4518, App
29	75.5	8.1	790	3	US-08-817-707-8	Sequence 8, Appl1
30	75.5	8.1	1070	4	US-09-653-274-8	Sequence 8, Appl1
31	75.5	8.1	1070	4	US-10-461-791-8	Sequence 8, Appl1
32	75.5	8.1	1086	4	US-09-653-274-4	Sequence 4, Appl1
33	75.5	8.1	1086	4	US-10-461-791-4	Sequence 4, Appl1
34	74	7.9	311	2	US-08-318-837-7	Sequence 7, Appl1
35	74	7.9	382	4	US-09-489-039A-8196	Sequence 8196, App
36	73.5	7.9	707	4	US-09-266-965-101	Sequence 101, App
37	73	7.8	200	4	US-09-702-705-324	Sequence 324, App
38	73	7.8	200	4	US-09-702-705-324	Sequence 789, App
39	73	7.8	200	4	US-09-736-457-324	Sequence 324, App
40	73	7.8	200	4	US-09-736-457-789	Sequence 789, App
41	73	7.8	200	4	US-09-614-124B-324	Sequence 324, App
42	73	7.8	200	4	US-09-614-124B-789	Sequence 789, App
43	73	7.8	200	4	US-09-671-325-324	Sequence 324, App
44	73	7.8	200	4	US-09-671-325-789	Sequence 789, App
45	73	7.8	200	4	US-09-589-184-324	Sequence 324, App

ALIGNMENTS

RESULT 1
US-09-280-839-2
Sequence 2, Application US/09280839
Patent No. 6365369
GENERAL INFORMATION:
APPLICANT: Rosen, Craig A.
TITLE OF INVENTION: Prostate Specific Secreted Protein
FILE REFERENCE: PF457
CURRENT APPLICATION NUMBER: US/09/280, 839
CURRENT FILING DATE: 1999-03-30
EARLIER APPLICATION NUMBER: 60/080,311
EARLIER FILING DATE: 1998-04-01
EARLIER APPLICATION NUMBER: 60/080, 898
EARLIER FILING DATE: 1998-04-07
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 178
TYPE: PRT
ORGANISM: Homo sapiens
US-09-280-839-2

Query Match 100.0%; Score 936; DB 3; Length 178;
Best Local Similarity 100.0%; Pred. No. 7.5e-103;
Matches 178; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MHRPEMLLTLTALLGGPTWAGKMYGPGGKFFSTEDYDHEITGLRVSGILLVKSQ 60
DB 1 MHRPEMLLTLTALLGGPTWAGKMYGPGGKFFSTEDYDHEITGLRVSGILLVKSQ 60
QY 61 VKLGDSDVKGALGGTQEVTLQPGHYITKTVFAQAFRGVYVMTSKRIRYFGKLDG 120
DB 61 VKLGDSDVKGALGGTQEVTLQPGHYITKTVFAQAFRGVYVMTSKRIRYFGKLDG 120
QY 121 QISSAPDSQSGVGVNGVGYQLGKISGFENYPLSEPTTEPVNLTYSANSPVGR 178
DB 121 QISSAPDSQSGVGVNGVGYQLGKISGFENYPLSEPTTEPVNLTYSANSPVGR 178

RESULT 2
US-09-081-180-2
Sequence 2, Application US/09081180
Patent No. 6022847
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: SECRETED SALIVARY ZSIC32
TITLE OF INVENTION: POLYPEPTIDES
NUMBER OF SEQUENCES: 38

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: ZymoGenetics
STREET: 1201 Eastlake Ave. E.
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/081,180
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/041,263
FILING DATE: March 19, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Lingenfelter, Susan E
REGISTRATION NUMBER: 41,156
REFERENCE/DOCKET NUMBER: 97-17C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6675
TELEFAX: 206-442-6678
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 178 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-09-081-180-2

Query Match          99.7%; Score 933; DB 3; Length 178;
Best Local Similarity 99.4%; Pred. No. 1.7e-102;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 MHRPEAMLLLTLLALGGPTWAGKMGPGGKGFSTTDDYDHEITGLRVSGLLVKSQ 60
DB      1 MHRPEAMLLLTLLALGGPTWAGKMGPGGKGFSTTDDYDHEITGLRVSGLLVKSQ 60

QY      61 VKLGSMDVKLGALGNTQEVTLQPGEXYITVFVAFQAFLRGVWMTSKDRYFFGKLDG 120
DB      61 VKLGSMDVKLGALGNTQEVTLQPGEXYITVFVAFQAFLRGVWMTSKDRYFFGKLDG 120

QY      121 QISSAYPSQEQVVLVGIYQYOLLGKISIGFEMNYPLEBPTTEPPVNLTYSANSPVGR 178
DB      121 QISSAYPSQEQVVLVGIYQYOLLGKISIGFEMNYPLEBPTTEPPVNLTYSANSPVGR 178

RESULT 3
US-09-040-786-2
Sequence 2, Application US/09040786
Patent No. 6025197
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: SECRETED SALIVARY ZSIG32
TITLE OF INVENTION: POLYPEPTIDES
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: ZymoGenetics
STREET: 1201 Eastlake Ave. E.
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
```

```

COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/040,786
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/041,263
FILING DATE: March 19, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Lingenfelter, Susan E
REGISTRATION NUMBER: 41,156
REFERENCE/DOCKET NUMBER: 97-17
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6675
TELEFAX: 206-442-6678
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 178 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-09-040-786-2

Query Match          99.7%; Score 933; DB 3; Length 178;
Best Local Similarity 99.4%; Pred. No. 1.7e-102;
Matches 177; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 MHRPEAMLLLTLLALGGPTWAGKMGPGGKGFSTTDDYDHEITGLRVSGLLVKSQ 60
DB      1 MHRPEAMLLLTLLALGGPTWAGKMGPGGKGFSTTDDYDHEITGLRVSGLLVKSQ 60

QY      61 VKLGSMDVKLGALGNTQEVTLQPGEXYITVFVAFQAFLRGVWMTSKDRYFFGKLDG 120
DB      61 VKLGSMDVKLGALGNTQEVTLQPGEXYITVFVAFQAFLRGVWMTSKDRYFFGKLDG 120

QY      121 QISSAYPSQEQVVLVGIYQYOLLGKISIGFEMNYPLEBPTTEPPVNLTYSANSPVGR 178
DB      121 QISSAYPSQEQVVLVGIYQYOLLGKISIGFEMNYPLEBPTTEPPVNLTYSANSPVGR 178

RESULT 4
US-09-247-155-85
Sequence 85, Application US/09247155A
Patent No. 6312922
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, Jean-Baptiste
APPLICANT: Duclert, Aymeric
APPLICANT: Bougueleret, Lydie
TITLE OF INVENTION: Complementary DNAs
FILE REFERENCE: GENSET.021A
CURRENT APPLICATION NUMBER: US/09/247,155A
EARLIER FILING DATE: 1999-02-09
EARLIER APPLICATION NUMBER: 60/074,121
EARLIER FILING DATE: 1998-02-09
EARLIER APPLICATION NUMBER: 60/081,563
EARLIER FILING DATE: 1998-04-13
EARLIER APPLICATION NUMBER: 60/096,116
EARLIER FILING DATE: 1998-08-10
EARLIER APPLICATION NUMBER: 60/099,273
EARLIER FILING DATE: 1998-10-04
NUMBER OF SEQ ID NOS: 182
SOFTWARE: Patent.pm
SEQ ID NO 85
LENGTH: 178
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SIGNAL
```

LOCATION: -22...-1
US-09-247-155-85

Query Match 99.3%; Score 929; DB 3; Length 178;
Best Local Similarity 98.9%; Pred. No. 5.1e-102;
Matches 176; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 MHRPEALTLTLTALGPTWAGKMGPGGKYSTEDDHEITGRVSGILLVKSQ 60
DB 1 MHRPEALTLTLTALGPTWAGKMGPGGKYSTEDDHEITGRVSGILLVKSQ 60
QY 61 VKLGDSDVVKALGAGNTQEVTLQPGEXITKVFAFQALRGVWMTSKDRYFFYFGKL 120
DB 61 VKLGDSDVVKALGAGNTQEVTLQPGEXITKVFAFQALRGVWMTSKDRYFFYFGKL 120
QY 121 QISSAYPSQEGQVIVGIYQYQOLGKISIGFEMNYPLEPTTBPVNLVTSANSPVGR 178
DB 121 QISSAYPSQEGQVIVGIYQYQOLGKISIGFEMNYPLEPTTBPVNLVTSANSPVGR 178

RESULT 5
US-08-469-667-11
Sequence 11, Application US/08469667
Patent No. 5733748

GENERAL INFORMATION:
APPLICANT: Yu, Guo-liang
APPLICANT: Rosen, Craig
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carella, Byrne, Bain, Giffillan, Cecchi,
ADDRESSEE: Stewart & Olstein
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,667
FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 163 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-667-11

Query Match 21.3%; Score 199; DB 1; Length 163;
Best Local Similarity 35.2%; Pred. No. 1.9e-15;
Matches 56; Conservative 25; Mismatches 68; Indels 10; Gaps 5;

QY 6 AMLLTLTALLG-----GPTWAGKMGPGGKXFS-TTEDYDHEITGRVSGILLVKS 58
DB 2 ALMALCASPSSGNAIQARSSSYSGE-YGGGGRFSGNSQLODPTALRKVRNTYITVG-60
QY 59 VQVKGDSMDVVKALGAGNTQEVTLQPGEXITKVFAFQALRGVWMTSKDRYFFYFGKL 118
DB 61 LQVRYGKWSMDVYGGNRGDLDEIFLHPGESVIVQSGKXKMYLKKLVFVTDKGRYLSFGKD-120

QY 119 DQISSAYPSQEGQVIVGIYQYQOLGKISIGFEMN-YP 156
DB 121 SGTSPNAPLHPMTVLRFLISGRSGSL-IDALIGHMDVYP 158

RESULT 6
US-09-224-110-11
Sequence 11, Application US/09224110
Patent No. 6337195

GENERAL INFORMATION:
APPLICANT: Yu, Guo-liang
APPLICANT: Rosen, Craig
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carella, Byrne, Bain, Giffillan, Cecchi,
ADDRESSEE: Stewart & Olstein
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/224,110
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/469,667
FILING DATE: 06-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 163 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-224-110-11

Query Match 21.3%; Score 199; DB 3; Length 163;
Best Local Similarity 35.2%; Pred. No. 1.9e-15;
Matches 56; Conservative 25; Mismatches 68; Indels 10; Gaps 5;

QY 6 AMLLTLTALLG-----GPTWAGKMGPGGKXFS-TTEDYDHEITGRVSGILLVKS 58
DB 2 ALMALCASPSSGNAIQARSSSYSGE-YGGGGRFSGNSQLODPTALRKVRNTYITVG 60
QY 59 VQVKGDSMDVVKALGAGNTQEVTLQPGEXITKVFAFQALRGVWMTSKDRYFFYFGKL 118
DB 61 LQVRYGKWSMDVYGGNRGDLDEIFLHPGESVIVQSGKXKMYLKKLVFVTDKGRYLSFGKD 120
QY 119 DQISSAYPSQEGQVIVGIYQYQOLGKISIGFEMN-YP 156
DB 121 SGTSPNAPLHPMTVLRFLISGRSGSL-IDALIGHMDVYP 158

RESULT 7
US-09-988-292A-11
Sequence 11, Application US/09988292A
Patent No. 6831152

GENERAL INFORMATION:
APPLICANT: Yu, Guo-liang
APPLICANT: Rosen, Craig

TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
Stewart & Olstein
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/988,292A
FILING DATE: 19-NO. 681152-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 163 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-988-292A-11

Query Match 21.3%; Score 199; DB 4; Length 163;
Best Local Similarity 35.2%; Pred. No. 1.9e-15;
Matches 56; Conservative 25; Mismatches 68; Indels 10; Gaps 5;

QY 6 AMLLLTLLLG-----GPTWAGKMGPGGKTFSTTEDYDHEITGLRYSVGLLVKS 58
DB 2 ALLALLCASPAGNAIQARSSSYSGE-YGGGGGKRFSSHSGNOLDGPITALRVRYVNTYYIVG 60

QY 59 VQVKLGDSMDVKLGALGNTQEVLTQPEYITKVFAFQAFIRGVWMTSKDRYFYFGKL 118
DB 61 LQVRYGKWSMDYVGGRNDDLEIFLHPGESVIQVSGKTKMYLKVLFVTDKGRYLSFGKD 120

QY 119 DQOISSAYPSQEQVLVGIYGOYOLGKISIGFEWN-YP 156
DB 121 SGTSPNAVPLHPNTVLRFTISGRSGSL-IDALGLHMDVYP 158

RESULT 8
PCT-US95-07289-11
Sequence 11, Application PC/TUS9507289
GENERAL INFORMATION:
APPLICANT: Yu, Guo-Liang
TITLE OF INVENTION: Colon Specific Genes and Proteins
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,
Stewart & Olstein
STREET: 6 Becker Farm Road
CITY: Roseland
STATE: NJ
COUNTRY: USA
ZIP: 07068-1739
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07289
FILING DATE: 06-JUN-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-265
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 163 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-07289-11

Query Match 21.3%; Score 199; DB 5; Length 163;
Best Local Similarity 35.2%; Pred. No. 1.9e-15;
Matches 56; Conservative 25; Mismatches 68; Indels 10; Gaps 5;

QY 6 AMLLLTLLLG-----GPTWAGKMGPGGKTFSTTEDYDHEITGLRYSVGLLVKS 58
DB 2 ALLALLCASPAGNAIQARSSSYSGE-YGGGGGKRFSSHSGNOLDGPITALRVRYVNTYYIVG 60

QY 59 VQVKLGDSMDVKLGALGNTQEVLTQPEYITKVFAFQAFIRGVWMTSKDRYFYFGKL 118
DB 61 LQVRYGKWSMDYVGGRNDDLEIFLHPGESVIQVSGKTKMYLKVLFVTDKGRYLSFGKD 120

QY 119 DQOISSAYPSQEQVLVGIYGOYOLGKISIGFEWN-YP 156
DB 121 SGTSPNAVPLHPNTVLRFTISGRSGSL-IDALGLHMDVYP 158

RESULT 9
US-09-081-180-4
Sequence 4, Application US/09081180
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: SECRETED SALIVARY ZS1G32
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: ZymoGenetics
STREET: 1201 Baslake Ave. E.
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/081,180
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/041,263
FILING DATE: March 19, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Lingenfelter, Susan E
REGISTRATION NUMBER: 41,156
REFERENCE/DOCKET NUMBER: 97-1701
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6675
TELEFAX: 206-442-6678
TELEX:

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 166 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-081-180-4

Query Match 20.6%; Score 192.5; DB 3; Length 166;
Best Local Similarity 30.9%; Pred. No. 1,1e-14;
Matches 47; Conservative 29; Mismatches 73; Indels 3; Gaps 2;

QY 5 EAMLLITLALGPT--WAGKMTGGGKGFSTTDEYDHEITGLRVSVGLLVKSVOVK 62
DB 6 EAMLLITLALGPT--WAGKMTGGGKGFSTTDEYDHEITGLRVSVGLLVKSVOVK 65
QY 63 LGSDMDVKALGAGNTQEVTLQGEYITKVFVAFQALRGVWMTSKDRYFEGKLDGQ- 121
DB 66 FGNMWSQEVGSSGRABIEVKLPDETVLGFSSGFYIFMHQIITTSQPRELIIIGPLTGRY 125
QY 122 ISSAYPSQEGQVLVGIYQYQLGIKSGFEW 153
DB 126 VYTSYPENPHVFRIGCYVTVGGLKGMRYLM 157

RESULT 10
US-09-040-786-4
Sequence 4, Application US/09040786
Patent No. 6025197
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: SECRETED SALIVARY ZSIG32
TITLE OF INVENTION: POLYPEPTIDES
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: Zymogenetics
STREET: 1201 Eastlake Ave. E.
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/040,786
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/041,263
FILING DATE: March 19, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Lingenfelter, Susan E
REGISTRATION NUMBER: 41,156
REFERENCE/DOCKET NUMBER: 97-17
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6675
TELEFAX: 206-442-6678
TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 166 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-040-786-4

Query Match 20.6%; Score 192.5; DB 3; Length 166;

Best Local Similarity 30.9%; Pred. No. 1,1e-14;
Matches 47; Conservative 29; Mismatches 73; Indels 3; Gaps 2;

QY 5 EAMLLITLALGPT--WAGKMTGGGKGFSTTDEYDHEITGLRVSVGLLVKSVOVK 62
DB 6 EAMLLITLALGPT--WAGKMTGGGKGFSTTDEYDHEITGLRVSVGLLVKSVOVK 65
QY 63 LGSDMDVKALGAGNTQEVTLQGEYITKVFVAFQALRGVWMTSKDRYFEGKLDGQ- 121
DB 66 FGNMWSQEVGSSGRABIEVKLPDETVLGFSSGFYIFMHQIITTSQPRELIIIGPLTGRY 125
QY 122 ISSAYPSQEGQVLVGIYQYQLGIKSGFEW 153
DB 126 VYTSYPENPHVFRIGCYVTVGGLKGMRYLM 157

RESULT 11
US-09-280-839-3
Sequence 3, Application US/09280839
Patent No. 6365369
GENERAL INFORMATION:
APPLICANT: Endres, Gregory A.
TITLE OF INVENTION: Prostate Specific Secreted Protein
FILE REFERENCE: PR457
CURRENT APPLICATION NUMBER: US/09/280,839
CURRENT FILING DATE: 1999-03-30
EARLIER APPLICATION NUMBER: 60/080,311
EARLIER FILING DATE: 1998-04-01
EARLIER APPLICATION NUMBER: 60/080,898
EARLIER FILING DATE: 1998-04-07
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 159
TYPE: PRT
ORGANISM: Homo sapiens
US-09-280-839-3

Query Match 19.6%; Score 183.5; DB 3; Length 159;
Best Local Similarity 30.0%; Pred. No. 1,3e-13;
Matches 45; Conservative 29; Mismatches 73; Indels 3; Gaps 2;

QY 7 MLLITLALGPT--WAGKMTGGGKGFSTTDEYDHEITGLRVSVGLLVKSVOVK 64
DB 1 MLLITLALGPT--WAGKMTGGGKGFSTTDEYDHEITGLRVSVGLLVKSVOVK 60
QY 65 DSDMDVKALGAGNTQEVTLQGEYITKVFVAFQALRGVWMTSKDRYFEGKLDGQ-IS 123
DB 61 NNWSQEVGSSGRABIEVKLPDETVLGFSSGFYIFMHQIITTSQPRELIIIGPLTGRY 120
QY 124 SAYPSQEGQVLVGIYQYQLGIKSGFEW 153
DB 121 TSYPENPHVFRIGCYVTVGGLKGMRYLM 150

RESULT 12
US-09-081-180-3
Sequence 3, Application US/09081180
Patent No. 6023847
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: SECRETED SALIVARY ZSIG32
TITLE OF INVENTION: POLYPEPTIDES
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: Zymogenetics
STREET: 1201 Eastlake Ave. E.
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98102

```
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/081,180
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/041,263
/ FILING DATE: March 19, 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Lingenfelter, Susan E
/ REGISTRATION NUMBER: 41,156
/ REFERENCE/DOCKET NUMBER: 97-17C1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 206-442-6675
/ TELEFAX: 206-442-6678
/
/ INFORMATION FOR SEQ ID NO: 3:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 199 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/
US-09-081-180-3

Query Match      17.1%; Score 160; DB 3; Length 199;
Best Local Similarity 31.4%; Pred. No. 1.1e-10;
Matches 48; Conservative 26; Mismatches 69; Indels 10; Gaps 5;

QY 7 MLLLTLLALGGPTW-AGKMYGPGGKYEFTTEDYDHEITGLRVSVGLL-LVKSVOYKLG 64
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 1 MLLLTLLAFASPFCRAQNVLGNAAGKYFYVQGEDGQTKMRTIFLSVFKFKIGFQLOFG 60
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
QY 65 DSMVDYKALGNGNQEVTLPQGEYITKVFVAFQAFIRGVWMTSKDRYFFGKLDGQISS 124
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 61 SNWTDVYTRSDNFIIDFLEDEGHEHVKVGSANVICTLSLFTTNKGRVATFVRRR--- 117
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
QY 125 AVPSQEG---QVLVGIYQYQL-LGIKSIQFEW 153
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 118 -YFSDTGSGDKHLVTVNGMHAPGLCVRGIGFEK 149
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||

RESULT 13
US-09-040-786-3
/ Sequence 3, Application US/09040786
/ Patent No. 6025197
/ GENERAL INFORMATION:
/ APPLICANT: Shepard, Paul O.
/ TITLE OF INVENTION: SECRETED SALIVARY ZSIG32
/ TITLE OF INVENTION: POLYPEPTIDES
/ NUMBER OF SEQUENCES: 38
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Zymogenetics
/ STREET: 1201 Eastlake Ave. E.
/ CITY: Seattle
/ STATE: WA
/ COUNTRY: USA
/ ZIP: 98102
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/040,786
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
```

```
/
/ APPLICATION NUMBER: 60/041,263
/ FILING DATE: March 19, 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Lingenfelter, Susan E
/ REGISTRATION NUMBER: 41,156
/ REFERENCE/DOCKET NUMBER: 97-17
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 206-442-6675
/ TELEFAX: 206-442-6678
/
/ INFORMATION FOR SEQ ID NO: 3:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 199 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/
US-09-040-786-3

Query Match      17.1%; Score 160; DB 3; Length 199;
Best Local Similarity 31.4%; Pred. No. 1.1e-10;
Matches 48; Conservative 26; Mismatches 69; Indels 10; Gaps 5;

QY 7 MLLLTLLALGGPTW-AGKMYGPGGKYEFTTEDYDHEITGLRVSVGLL-LVKSVOYKLG 64
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 1 MLLLTLLAFASPFCRAQNVLGNAAGKYFYVQGEDGQTKMRTIFLSVFKFKIGFQLOFG 60
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
QY 65 DSMVDYKALGNGNQEVTLPQGEYITKVFVAFQAFIRGVWMTSKDRYFFGKLDGQISS 124
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 61 SNWTDVYTRSDNFIIDFLEDEGHEHVKVGSANVICTLSLFTTNKGRVATFVRRR--- 117
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
QY 125 AVPSQEG---QVLVGIYQYQL-LGIKSIQFEW 153
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||
DB 118 -YFSDTGSGDKHLVTVNGMHAPGLCVRGIGFEK 149
    |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||  |||||

RESULT 14
US-09-081-180-5
/ Sequence 5, Application US/09081180
/ Patent No. 6022847
/ GENERAL INFORMATION:
/ APPLICANT: Shepard, Paul O.
/ TITLE OF INVENTION: SECRETED SALIVARY ZSIG32
/ TITLE OF INVENTION: POLYPEPTIDES
/ NUMBER OF SEQUENCES: 38
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Zymogenetics
/ STREET: 1201 Eastlake Ave. E.
/ CITY: Seattle
/ STATE: WA
/ COUNTRY: USA
/ ZIP: 98102
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/081,180
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/041,263
/ FILING DATE: March 19, 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Lingenfelter, Susan E
/ REGISTRATION NUMBER: 41,156
/ REFERENCE/DOCKET NUMBER: 97-17C1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 206-442-6675
/ TELEFAX: 206-442-6678
/
/ TELLEX:
```


This Page Blank (usp10)